

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK



DEPARTMENT OF ECONOMICS

Master of Arts Resume Book

COLUMBIA UNIVERSITY
IN THE CITY OF NEW YORK

ECONOMICS

September 2023

Dear Employers,

I take great pride in presenting to you our 2024 cohort. I am sure that you will find many top-quality candidates among them.

Columbia University established the Economics master's program in 2015. For this program, we receive hundreds of applications from highly qualified candidates, and are only able to admit a small fraction of the applicants. As a result, we have the privilege to work with outstanding students who excel in several different dimensions.

We provide state-of-the-art education for our students, which makes a meaningful and sustainable difference in both their academic or professional lives.

We would appreciate hearing from you about your personnel requirements. Please feel free to contact me if you need detailed or specific information about our program or any of our students.

Sincerely,

Bernard Salanié

Columbia University

Director of the Master's Program in Economics

Email: bsalanie@columbia.edu

Phone: 212 854 8059

Ningjie Bao

New York, NY 10027 | Email: nb3194@columbia.edu

EDUCATION

Columbia University in the City of New York | New York, US

Master of Arts in Economics

Sept. 2023-Dec. 2024 (Expected)

- Relevant cores: Econometrics, Math Methods for Economics, Macroeconomics, Microeconomics

The University of Sydney | Sydney, Australia

Aug. 2018-Jan. 2022

Bachelor of Commerce in Finance and Economics

- GPA: 3.74/4.0; Enrolled as Dalyell Scholar; Recipient of Academic Merit Prize in 2021
- Relevant cores: International Trade, Derivatives Securities, International Financial Management, Corporate Finance
- Relevant electives: Linear Algebra, Quantitative Business Analysis, Multivariable Calculus and Modeling

RESEARCH PROJECTS

Inequality in Australia | Sydney, Australia

Mar. 2021-May. 2021

Supervisor: Prof. Chandana Maitra

- Identified and compared the trend of economic inequality in Australia and other countries.
- Performed multi-dimensional analysis of inequalities in Australia, including income, consumption, and wealth, and researched health-related income inequality.
- Provided policy recommendations to help address inequality, specifically education spending increase to address intergenerational mobility and tax deduction to increase redistribution effects.
- Project used by professor as teaching sample in future classes.

Hedging Strategy Design for ADM, Group Project | Sydney, Australia

Nov. 2020

- Designed an option strategy to hedge the commodity price risk: Long Call on CBOT Corn Futures (ZC), against the backdrop of ADM selling 22 million metric tons of corn in 2019.
- Applied a short futures strategy to hedge the currency risk: Short CME Euro FX Futures (6E), after analyzing ADM's revenue share, which largely came from European subsidiaries.

PROFESSIONAL EXPERIENCE

Huaxin International Trust

Aug. 2022-Dec. 2022

Trust Intern

Hangzhou, China

- Supported due diligence process of business loan and trust application for Zhejiang-region construction companies, including industry analysis, report writing, project planning and management, and client communication.
- Performed creditworthiness analysis, including audited financial reports, analysis of business income and profitability, government subsidy, debt repayment capacity, and valuation of building-in-progress.
- Completed over twenty due diligence reports and created presentations for the risk control committee, and submitted to project initiation and risk control committees for approval.
- Raised funds for financing clients and issued 10+ trust loans through third-party sales or direct investment.

Ernst & Young (China) Advisory Limited

Dec. 2021-Jan. 2022

Tax PAS Intern

Shanghai, China

- Supported stock options registration for Nike (China); assignments included ongoing filings of application forms, employee stock option plan, and other supportive materials with the Chinese tax authority.
- Assisted in monthly income tax preparation for expatriates and Chinese nationals working overseas for Lululemon.

CITIC Securities

Jul. 2020-Aug. 2020

Intern, Credit Department

Shaoxing, China

- Consulted clients on securities market and assisted in securities account opening process and evaluation of client risk profile.
- Performed fundamental analysis and technical analysis for publicly listed companies.
- Shadowed supervisor in wealth management business and client relationship management.

Industrial and Commerce Bank of China

May. 2020-Jun. 2020

Intern, Market Development Department

Shaoxing, China

- Assisted in business loan process for a dozen companies in Zhejiang; participated in due diligence and communications with management before loan approval, and ongoing credit monitoring after loan initiation.

COMMUNITY & ORGANIZATION

Marketing, Jacaranda Stock Market Society | The University of Sydney

Jun. 2020-Dec. 2021

- Won 4th place (out of 80 participants) in club's stock trading simulation competition in 2020 and 2021 with an accumulated return of 24.95% in three months.
- Organized weekly interviews with the top ten winners of the weekly stock simulation competition; managed weekly WeChat content and other online and offline marketing communications.

SKILLS

Technical: Python, SQL, Tableau, Data Science Training Certificate (Introduction to Data Science)

Languages: Chinese (native), English (fluent)

Pengbiao Chen

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EDUCATION BACKGROUND

Columbia University

09/2023-12/2024

Graduate School of Arts and Sciences

Master of Arts in Economics (Expected)

New York University

09/2019-05/2023

College of Arts and Sciences

Bachelor of Arts in Economics and Mathematics

GPA: 3.68/4.0

INTERSHIPS

Boston Consulting Group | PTA (Remote), Consulting Department

11/2022-12/2022

- Analyzed the retail market and the trend of digital transformation for the retail industry, took Walmart as an example; conducted competitor analysis, proposed digitalization strategies for Walmart
- Performed customer analysis, identified problems and generated solutions accordingly
- Collaborated with team members on designing innovative solutions to meet customers' needs for speed and efficiency
- Developed digital solutions, such as smart promotion scheme, reinvigorating fresh food, social retailing, etc.
- Made project timeline, allocated resources, implemented risk management

Bank of China, Xuzhou Branch | Business Assistant, Department of Trade & Finance

07/2022-08/2022

- Gained a preliminary understanding of international settlements, learned bank lending practices, ranging from consumer loans, mortgage, credit card installment to corporate loans
- Attended a series of training sessions and learned about import & export businesses
- Practiced examination and audit of letters of credit, understood UPC 600
- Handled inward/outward clearing cheques, including the validation of the cheques and relevant transactions
- Acquired knowledge of investment banking, corporate finance, M&A, fund management, risk management, etc.
- Dealt with inquiries from customers and other branches, assisted in ad hoc tasks as instructed
- Provided clerical support in team administrative work

Bank of Jiangsu | Business Assistant, Department of Credit & Loans

07/2021-08/2021

- Received clients and processed their requests, introduced lending services and loan application
- Assisted in developing and implementing credit strategies in support of corporate businesses
- Performed due diligence, prepared analysis reports, and managed credit ratings of the borrowers based on their financial status and capital structure, etc.
- Conducted credit risk analysis for clients and allocated an appropriate credit limit in compliance with the Bank's credit policies and guidelines
- Liaised and communicated with internal departments for loan pre-qualification check
- Provided consultancy support to clients when dealing with their loan approvals
- Assisted in responding to day-to-day queries from internal staff

SKILLS & INTERESTS

IT Skills

- R Studio (Advanced), Python (Beginner), MATLAB (Beginner)
- Microsoft Office Suite (Word, Excel, PowerPoint)

Languages

- Mandarin (Native)
- English (Proficient)

Interests

- Basketball, Skiing, Playing Drums

Shinan Chen

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Education

09/2023-Present

Columbia University

- Major: Master of Arts in Economics

09/2019-06/2023

The University of Nottingham Ningbo China

- Major: BSc (Hons) Economics
- Cumulative Average Mark: **71.25%**
- Awarded the degree of BSc Hons Economics in the **First Class** classification

Standard Tests: IELTS 8.0 / GRE 329

Internship Experience

08/2021-09/2021

Financial Assistant, Lanxin Technology, Hangzhou, China

- Communicated with sales department for reimbursement of business trips and commercial activities;
- Sorted out weekly report, contract and ledger;
- Investigated and evaluated supplier information;
- Reviewed and summarized marketing work.

08/2020-09/2020

Financing Business Assistant, Haitong Securities, Hangzhou, China

- Integrated and translated overseas project information of the Multinational Rigid Plastic Packaging Manufacturer Logoplaste and the Dutra Highway;
- Joined project research, conducted industry analysis via WIND, and learned institutional business.

07/2020-08/2020

Financial Auditor, Pan-China Certified Public Accountants, Hangzhou, China

- Prepared annual report, confirmed request and daily audit work;
- Checked the input, inventory, flows, sales via Excel;
- Collected contract, inspected fixed asset and voucher.

Research Assistant (RA) Experience

06/2022-09/2022

Forecasting Tourism Demand for the Greater Bay Area, Ningbo, China

- Drafted a chapter of forecasting tourism demand for the GBA over the next five years for the Report on Tourist Industry of Guangdong-Hong Kong-Macao Greater Bay Area in China;
- Conducted a series of background investigations and analyses of the collected data.

01/2019-12/2022

Influencing Factors of Nutrition Information Searching Behavior, Ningbo, China

- Prepared literature review, background data and discussion papers;
- Assisted project design and implementation;
- Conducted pre-survey to complete the preliminary data sorting and analysis;
- Facilitated internal & external communication and coordination of scientific research activities.

Extracurricular Experience

06/2020-05/2021

Minister, Administrative & Mgt. Dept. of Campus Ambassadors, Ningbo, China

- Arranged reception of visitors;
- Designed activities such as Color Run, Souvenir Design Competition and Raw Musical Festival;
- Led a team to organize performance appraisal and autumn recruitment project;
- Managed school official email and cooperated with other school department;
- Awarded as Top Ten Campus Ambassadors.

09/2019-06/2020

Member, SPDPO Student Event Office, Ningbo, China

- Contacted sponsors to obtain financial support.

Selected Volunteer Activities: As the I-Week leader to guide freshmen to visit the campus and help them adapt to new life (09/2021) & Volunteer of Hangzhou 2020 Enrollment (07/2020-08/2020) & Volunteer of Wuhan Medical Training Team (05/2020)

Skills

- Certificate: Certificate of Securities Professional, Chinese Lute (7th Grade-National Level).
- Computer: Proficient in Microsoft Office software and Stata.

EDUCATION

Columbia University in the City of New York, Graduate School of Arts and Sciences
Master of Arts in Economics

New York, USA
Sept. 2023 – Dec. 2024

The Chinese University of Hong Kong, Shenzhen, School of Management and Economics
Bachelor in Business Administration - Economics

Shenzhen, China
Sept. 2019 – Jun. 2023

- **GPA:** 3.72/4.00 (Cumulative); 3.75/4.00 (Major)
- **Honors:** Academic Performance Scholarship (Top 7%), Dean's List Award (Top 20%), Bowen Scholarship, Undergraduate Research Award
- **Relevant Coursework:** Calculus, Linear Algebra (A), Mathematical Analysis, Probability, and Statistics (A), Stochastic Process, Optimization, Intermediate Econometrics, Quantitative Methods of Policy Evaluation (A), Advanced Microeconomics, Intermediate Macroeconomics, Game Theory, Labor Economics, Environmental Economics Policy (A)

INTERNSHIP

Global Business Support, Walmart (China)
Internship of Global E-commerce Support

Shenzhen, China
Jul. 2021 – Aug. 2021

- Collected and sorted out the data on transactions between Walmart and suppliers/retailers
- Communicated regularly with colleagues via email
- Listed over 220 transaction records and made over 70 financial statements

PROJECTS & RESEARCH EXPERIENCE

Project of Analysis of Factors Affecting Bilateral Trade Flow

Mar. 2022 – Apr. 2022

- Explored several factors affecting bilateral trade volume and their corresponding magnitude of effects based on potential socioeconomic elements proposed by mainstream trade models
- Analyzed more than 700 international trade observations in 2019 with Stata, evaluating the impact on the trade volume of GDP per capita and income per capita in contemporary economies
- Utilized the Ricardian Model and Specific Factor Model to control the characteristics of these economies and established a regression model of the annual export of each country on the income levels in both importing and exporting countries
- Independently finished a 3,000-word academic report, indicating that economic indices, geographical locations, and political agreements can significantly affect the export volume. The report scored 25.2/30 (Top 20%) as a midterm project

Project of Differences between Conduction Mechanism of Monetary Policies in China and the U.S.

Research Assistant, School of Management and Economics

Dec. 2021 – Jan. 2022

- Assisted Prof. Wang Cong to compare the conduction mechanisms of monetary policies between two countries, learning from the more direct and mature mechanism in the U.S.
- Carefully examined 12 papers on macroeconomics, econometrics and monetary policies, focusing on six aspects of differences: intermediate target, ultimate target, conduction mechanism, short-term policy efficiency, conduction efficiency, and money issuance mechanism.
- Independently completed a 3,000-word research report, which promptly facilitated Prof. Wang's research in his field of corporate finance from a perspective of economics and was incorporated in Prof. Wang's research

Project of Effects of Gaokao Reform of Sichuan Province in 2009 on Student Admission Results

Nov. 2021 – Dec. 2021

- Led a team of seven members to demonstrate the rationality and significance of the reform of the college entrance examination
- Utilized the regression discontinuity design (RDD) on Stata, from the perspectives of gender and academic classification, respectively, to study high school students of Class 2009 in Sichuan whose scores were around the first batch score line
- Proved the positive effects on students' admission which scored A as a team final project

Project of Relationship between Population Growth Rate and Frequency and Intensity of Drought and Flood Disasters in China from 1840 to 1949

Nov. 2021 – Dec. 2021

- Studied the magnitude and frequency of droughts and floods on China's population growth in the feudal age
- Built indices of intensity and frequency of city-level drought and flood disasters in China on Stata and detected time breakpoints of regression on EViews
- Regressed the population growth rate on disaster indices from 110 observations and built three autoregressive integrated moving average (ARIMA) models on Stata; picked the most fitted model according to Akaike Information Criterion (AIC)
- Independently completed an academic essay of 1,000 words, which scored 87/100 (Top 20%) as a class assignment

SKILLS & INTERESTS

Languages: English (Fluent; TOEFL: 100+, GRE: 325+, CET-6: 570+), Chinese Mandarin (Native), Cantonese (Basic)

Technical Skills: R, Python, MATLAB, EViews, Stata, SQL, Excel, LaTeX

Interests: Swimming (Breaststroke, freestyle & backstroke), singing, movies, calligraphy (Level 10)

Xuanlin (Sherry) Chen

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EDUCATION

Columbia University - New York, NY

- Master of Arts in Economics

09/2023–12/2024

China Agricultural University (CAU) - Beijing, China

- Bachelor of Economics in Finance Minor: English
- Awards and Honors: **Outstanding Student Scholarship, 2020** (top 5% by academic and social practice performance), **Second Prize Scholarship, 2020** (top 5%), **CAU Excellent Student, 2020** (top 5%)

09/2019–06/2023

GPA: 3.73/4.00

INTERNSHIPS

Essence Securities - Beijing, China

08/2022–10/2022

Strategy Analyst Intern, Fixed Income Department, 40 hrs/wk

- Provided desk research and data analytics support for the Fixed Income Department to aid their 2023 corporate strategy planning and execution, with a focus on the economic recovery after the zero-COVID pandemic controls.
- Analyzed impact of the pandemic on over 13 industries using public and private data from between 2020 and 2022, including metrics such as labor supply and demand and social financial index changes (CPI, PPI, and PMI).
- Employed Python and pymcdm library and to implement the Multi-Criteria Decision Making technique to assess the inter-linked factors that affect investment decisions and outcomes, and generate strategic recommendations.
- Curated 3,000 sets of bond data to track key metrics of issued bonds to refine investment selection processes.

Wealth Management Business, Agricultural Bank of China (ABC) - Beijing, China

02/2022–06/2022

Assistant Manager Trainee, Risk Management Department, 40 hrs/wk

04/2022–06/2022

- Used analytical software, risk assessment frameworks, and empirical data to assist in leadership decision making.
- Conducted five projects each week, including the analysis of Asset-Backed Security projects from three dimensions: the underlying assets, the qualification of relevant entities, and the transaction structure setting.
- Leveraged Jensen and RAROC methods to evaluate the performance of the studied holding funds, and Z scoring model to analyze the quantitative risk of equity assets to optimize current investment strategies and operations.
- Developed a risk assessment guideline that is expected to reduce market and credit risk by 2% in simulations.

Research Assistant, Investment Research Department, 40 hrs/wk

02/2022–04/2022

- Performed industry and market research using the PESTLE framework and data visualization tools (Power BI).
- Drafted and revised three industry research reports in the real estate and public policy sectors, detailing the current development status, regulatory shortcomings, financial incentive structures, and challenges.
- Introduced a SQL database to manage the macroscopic data entries and provided APIs for internal data pulling.

Agricultural Bank of China (ABC) - Beijing, China

11/2021–01/2022

Trust Services Specialist, Trust Funds Department, 40 hrs/wk

- Assisted in the development and promotion of two experiential trust products for ABC, including financial return on investment analysis, market planning, and go-to-market strategy, from conception to product launch.
- Observed investment decisions of fund managers, and alerted the department of potential legal noncompliance.

China Galaxy Securities - Beijing, China

08/2021–09/2021

Public Funding Advisor Intern, Alternative Investment Department, 40 hrs/wk

- Worked on the due diligence for an investment project for Guiyang Public Transportation, a \$200M company.
- Identified the feasibility of a pledge for the Beijing-Shanghai High-Speed Rail project using BI databases such as Wind and Choice, providing qualification review rubrics and a workflow for financing public-private partnerships.

RESEARCH

Team Leader, College Students Innovation and Entrepreneurship Competition

11/2020–03/2022

Research on Mortgage Dilemma and Innovative Mode of Family Farm and Professional Cooperative Financing

- Studied the benefits and limitations of four mortgage products in agricultural modernization and transformation.
- Contacted family farm owners and professional cooperatives and conducted over 20 interviews and field studies.
- Collected interview data and formulated models to simulate outcomes of policy changes to mortgage products.

OTHERS

Programming: Python, Stata, SPSS, MATLAB (Simulink, Finite Element Analysis)

Techniques: Principal component analysis, linear and nonlinear programming, diff. equation, graph-theoretic model

Interests: Mezzo-soprano (an official member of the University Choir), Guzheng (Chinese zither), percussion

Lina Craighill

Upper West Side, New York, NY | lcc2198@columbia.edu | (650) 501-7093 | <https://www.linkedin.com/in/lina-craighill>

Education

Columbia University in the City of New York

September 2023 — December 2024

Master of Arts in Economics

University of California, Berkeley

January 2017 — June 2019

Bachelor of Arts in Political Science

GPA: 3.455.

Notable Coursework: Economic Development, Empirical Analysis, the Governance of Markets, and Contemporary Theories of Political Economy.

The Hebrew University of Jerusalem

January 2019 — June 2019

Study abroad semester with Hebrew and Arabic language studies.

Notable Coursework: International Law and Foreign Policy, Cybersecurity and the Arab-Israeli Conflict.

Research and Work

Legal Assistant, Hurtubise Weber Law LLP

October 2021 — July 2023

- Prepared and filed H-1B, K-1, Green Card, and Naturalization petitions.
- Processed mail, client documents, payments, and official notices, including green cards and employment authorization cards

Legal Assistant, Fragomen, Del Rey, Bernsen & Loewy LLP

September 2019 — March 2020

- Prepared immigration applications for skilled workers and their dependents. Worked closely with attorneys to finalize petitions and submit them to the U.S. Citizenship and Immigration Services. Billed clients and maintained all communication with foreign nationals throughout the application process.

Research Assistant, Truman Institute at The Hebrew University of Jerusalem

March 2019 — July 2019

- Identified variables that influence business models for establishing off-grid renewable energy systems in developing countries. Focus areas included Energy Economics, Development Economics, and Microeconomics. Reported to Dr. Lior Herman, International Relations Department at The Hebrew University of Jerusalem.

Research Assistant, Strategically Protect Soft Networks

September 2018 — January 2019

- Researched and compiled best practices for cyber security measures in order to secure the identities of foreign national partners in overseas U.S. military campaigns. Co-authored a published report [insert name of report] (where was it published?). Reported to Steve Miska, Colonel (Retired) U.S. Army, Private Investigator.

Research Assistant, Human Rights Investigation Lab at the UC Berkeley Law School

June 2018 — December 2018

- Collected open-source data for human rights investigations in Syria and Iraq.
- Primarily focused on social media-based evidence. Learned to geolocate and verify sources. Reported to Human Rights Program Director, Félim McMahon.

Research Assistant, Program on Security Institutions and Violent Instability

January 2018 — August 2018

- Collected and analyzed data on police institutions in order to measure differences in counterterrorism capabilities. Promoted from unpaid to paid position with added responsibilities in Summer 2018, including troubleshooting large spreadsheets. This project was sponsored by the United States Department of Defense. Reported to Professor Leonardo Arriola, UC Berkeley.

Research Assistant, Assistant Data Manager

April 2017 — August 2017

- Organized and solved inconsistencies in large spreadsheets on Indian election cycles. Reported to Professor Jennifer Bussell and Ph.D. Candidate Melanie Thompson, UC Berkeley.

Projects

“Chapter By Chapter” Political Economy YouTube Channel

June 2019 — December 2023

12,990 subscribers

- Channel provides video summaries for individual chapters of influential books. Topics include economic theory, political economy, and political philosophy. Channel can be found [here](#).

“The Feminist Interviews” Podcast

January 2018 — June 2018

- Created, hosted, and produced student podcast “The Feminist Interviews” at UC Berkeley. My guests included Nobel-prize-winning Economist David Card and Economist Hilary Hoynes. Original streaming website “Bear Minds” no longer exists, but copies of some of our episodes can be found [here](#).

Xingyi Deng

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EDUCATION

Columbia University, MA Economics | *United States of America* Sept. 2023 – Dec. 2024

University of Warwick, BSc (Hons) Economics | *United Kingdom* Sept. 2020 – Jul. 2023

- First Class Honours
- Oliver Hart Prize (Top 15 of Warwick Economics Department)

INTERNSHIP EXPERIENCE

Warwick Internship Scheme for Economists, Course Producer | *United Kingdom* Dec. 2022 - present

- Utilized LaTeX to create comprehensive core texts for the second year Macroeconomics module, incorporating insights from previous students' frequently asked questions; redesigned theoretical graphs to enhance visual clarity and presentation.
- Programmed with Python to conduct web scraping from websites such as FRED, efficiently gathering data on various Macroeconomic indicators, and visualized trends using empirical graphs.
- Designed engaging and interactive economic experiments for live lectures, ensuring the effective delivery of course content to students.

China Construction Bank, Private Banking Summer Analyst | *China* Jun. 2021 - Aug. 2021

- Analysed China's economic environment by tracking the flow of funds from high-net-worth clients with STATA; compiled a list of top 50 Private Equity Fund Products for sale.
- Collaborated with Associates to design a weighted index for screening the qualifications of Private Equity Institutions, improved efficiency by 4x.
- Cooperated to examine the impact of certain policy decisions on general expenditure using structural VAR model; won the best performance award in the final evaluation.
- Identified major needs of customer asset allocation using microeconometrics models; presented to the product development team, resulting in a 20% increase in funds raised.

Longrun Asset Management, Operations Assistant | *China* Mar. 2021 - Apr. 2021

- Formulated and executed an Excel model to record the Private Equity Fund Products on sale with the Asset Management Association of China, improved efficiency by 3x.

EXTRA-CURRICULAR & LEADERSHIP EXPERIENCE

Chatham House, Member of Common Futures Conversations | *United Kingdom* Oct. 2022 - present

- Discussed with young people from the UK and Africa about present global challenges (e.g., climate adaptation); cooperated to design policy solutions and write proposals.

CSSA Warwick, President of Education Department | *United Kingdom* Oct. 2020 - Jun. 2023

- Outlined sponsors' key strategic issue and negotiated with them, resulting in a 3x increase in funding for an Asian-students oriented career fair.
- Implemented a marketing strategy to promote Warwick CSSA annual Innovation and Entrepreneurship Competition (e.g., posted feedback from previous attendants on social media to create social proof); attracted 2x more participants.

Economics Undergraduate Student Mentor Scheme, Student Mentor | *United Kingdom* Oct. 2021 - Jun. 2022

- Guided 15 mentees to adapt to university life, including sharing time management and learning skills.

ADDITIONAL

Software Skills: Stata (Proficient), Python (Intermediate), Excel (Proficient)

Award: National Third in SKT Investment Challenge

Interest: Basketball, Reading

Qinyang Du

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EDUCATION

Columbia University, New York, US 09/2023 – 12/2024
Master of Arts in Economics

Johns Hopkins University, Baltimore, US 09/2019 – 05/2023
Bachelor of Arts in International Studies and Economics, Minor in Financial Economics

- Cumulative GPA: 3.85 / 4
- Honor: Honors in Economics, Dean's List

INTERNSHIPS

Guoxin Securities Co., Ltd., Beijing, China 07/2023 – 08/2023

- Participated in fund manager roadshows and fund companies' strategy meetings, drafted research reports on fund managers and fund products.
- Collected and analyzed data for China's listed central enterprises, contributed to the writing of research reports on China's central enterprise ETF indices.
- Engaged in quantitative hedging operations for targeted share issuances and contributed to the development of quantitative programs in the R programming language.

Asia-Pacific Research Center, Harvard Business School, Remote, China 09/2022 – 01/2023

- Assisted researchers at Asia-Pacific Research Center and Harvard Center Shanghai in compiling case studies and developing other research initiatives for professors at the Harvard Business School.
- Conducted research on country studies of Korea and Vietnam on its political economics, political landscape, presidential election, domestic legacy of past presidents, poverty levels, etc.
- Participated in the research on the Chinese food industry and assist in interviews with Chinese food industry leading firm and its senior management.

Ascential PLC, Beijing, China 07/2021 – 08/2021

- Conducted research on the Chinese cross-border e-commerce industry, including social commerce analytics, social commerce ads management, content management, and cross-border ecommerce vendors.
- Analyzed the industrial landscape and market structure of target firms, presented research findings to the Merge and Acquisition Team.
- Assist the Team on their project of the merging and acquisition process of a targeted firm.

China Renaissance Securities Co., Ltd., Beijing, China 06/2021 – 07/2021

- Wrote and updated monthly and weekly reports on FoF (fund of funds) products.
- Took notes during meetings with economists and strategy teams.
- Reported research findings on the application of robo-advisor in the Chinese market to senior management.

Dongxing Securities Co., Ltd., Beijing, China 01/2021 – 02/2021

- Collected data of suppliers and production facilities of Apple Inc. and Tesla Gigafactory Shanghai after examining audited financial statements and database like Wind Financial Terminal.
- Analyzed data in Microsoft Excel to highlight key information and assisted the investment strategy formations by submitting quantitative data analysis through daily written reports and oral presentations.

Guotai Junan Securities Co., Ltd., Beijing, China 07/2020 – 08/2020

- Participated in writing a team research report "World Economic Outlook Report 2022 and Beyond."
- Collected quantitative and qualitative data related to macroeconomic sectors and political events and factors, including country-specific policies of G20 countries to global epidemic, the 2022 U.S. elections, and so on.

RESEARCH

Research Assistant, The Determinant of Foreign Investment in the Chinese Bond Market 01/2022 – 05/2022

- Researched under the guidance of Professor Olivier Jeanne at Johns Hopkins Department of Economics.
- Computed the data on the capital account of the Chinese bond market; Analyzed the correlation between dollar returns on Chinese bonds and the share of foreign investment in Chinese bond market using R, STATA, and Microsoft Excel.

SKILLS

- **Language:** Mandarin (Native), English (Fluent), Japanese (Elementary)
- **Technical skills:** R, STATA, Wind Database, Bloomberg Terminal, Microsoft Office
- **Interests:** Kendo (2 Dan), Photography, Cross Country

Fan Zhuo

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EDUCATION BACKGROUND

Columbia University

09/2023-Present

- **Master of Economic**

Washington University in St. Louis

09/2020-05/2023

- **Bachelor of Economics** **GPA: 3.74/4.0**
- **Achievements:** 2021 Fall Dean's List, 2022 Spring Dean's List, 2023 Spring Dean's list

SKILLS&CERTIFICATIONS

Economic: Econometrics, Microeconomics, Macroeconomics, Banking and Marketing Design

Math: Matrix Algebra, Calculus, Probability, Data Analysis

Programming: Python, Java, Stata, C++, SQL, Matlab

Languages: English(fluent), Mandarin(mother tongue)

INTERNSHIP

Investment Assistant Intern, **Blackstone Group**

05/2022-08/2022

- Utilized Wind for data collection; performed industry analysis on New Energy Vehicles (NEV), examining technical, economic, and social factors.
- Differentiated technical barriers and value magnitude between NEV and traditional vehicles; assessed changes in R&D, sales, and after-sales service.
- Identified investment opportunities in electric vehicle batteries, battery management systems, and autopilot; selected top-performing companies, resulting in portfolios with high returns.
- Analyzed NEV market segments, forecasting the 2025 market scale using regression models, emphasizing segments below \$20,000.

Business Analyst Intern, **Accenture (Shanghai)**

05/2021-08/2021

- Employed Stata and Python Pandas for data processing; conducted expenditure and category analysis, offering actionable product operation suggestions.
- Integrated customer data and business regulations; used K-means Model for customer segmentation based on purchase behavior, formulating targeted marketing strategies.
- Predicted market trends using Neural Network models in Python, achieving 80% accuracy, a 2.5% improvement, aiding sales teams in resource optimization.

Summer Intern, **Huafu Securities**

06/2020-07/2020

- Conducted due diligence and industry research; researched financial institutions in China to discover industry trends and help sales team screen for potential clients
- Assisted in conducting analysis of pro forma merger scenarios, leveraged buyouts, public listings and financing alternatives using DCF Model, sum of the parts, public comparables and precedent transactions analysis

RESEARCH EXPERIENCE

Bayesian optimization for congestion pricing problems: A general framework and its instability

Credit Report Evaluation System based on Hybrid Machine Learning

2020

- Collected data from 30 major Chinese financial companies; performed data pre-processing for quantitative credit risk analysis of credit subjects, and input the data into SQL and accomplished several statements
- Mastered multiple probabilistic non-linear regression models and successfully applied logistic regression models to calculate and verify the accuracy and stability of the algorithm
- Awarded a patent certificate for **innovation by the Australian government (Patent No. 2019100968)**

HONGYI GU

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EDUCATION

Columbia University, New York

Sept. 2023-Dec. 2024

Master of Arts in Economics

University of California, Berkeley

Bachelor of Arts in Applied Mathematics, Bachelor of Arts in Economics

- GPA: 3.7/4.0
- Core Courses: Honors Abstract Algebra, Honors Analysis, Complex Analysis, Numerical Analysis, Concept of Probability, Macroeconomics, Microeconomics, Econometric, Financial & Behavioral Economics, Labor Economics.

EXPERIENCE

Houlihan Lokey

June 2023 - Aug. 2023

Intern of M&A Department

Beijing, China

- Assisted in various stages of the M&A lifecycle, from initial target identification to final deal closing. Supported senior bankers with detailed analysis of potential targets in both the food & beverage and coal industries, evaluating strategic alignment and potential deal synergies.
- Monitored and reported on key M&A trends in CDMO and IVD industries, identifying emerging market opportunities and competitive threats. Maintained an up-to-date database of industry transactions and valuations.
- Engaged in internal training sessions, mastering financial modeling techniques for M&A transactions, including DCF, precedent transaction, and comparable company analyses.

PricewaterhouseCoopers

June 2022 - Aug. 2022

Intern of Data Analysis Department

Online

A market development initiative for an international shopping mall marking its inaugural presence in Shanghai.

- Deployed Python to model location preferences, analyzing Shanghai's top 20 grids (each 3x3 km) based on population density, consumption metrics, resident personas, industrial presence, and leading enterprises to recommend optimal site selections.
- Leveraged Python analytics to identify the top 10 consumption sectors within the grid, aiding clients in strategizing their brand mix.

Bank of China, Los Angeles Branch

June 2022 - Aug. 2022

Intern of Portfolio Management Department

Los Angeles, CA

- Analyzed financial statements of potential credit companies for informed lending decisions.
- Used Excel to track loan enterprises' financial health and commitments, ensuring up-to-date records.
- Translated key financial documents and shared findings with the bank's senior management.

Inspur Group

June 2020 - Jan. 2021

Intern of Industrial Internet Department

Online

- Applied Python and R for big data analysis, assisting government bodies in defining poverty alleviation targets.
- Developed a "poverty index" to accurately identify the most deprived townships, villages, and households.
- Employed distributed systems, NoSQL, and relational databases for data management; streamlined poverty data in Excel to optimize resource allocation.

The Impact of FDI on China's Economic Growth

Aug. 2020 - Dec. 2020

Independent Researcher

- Harnessed Python, Import.io, Excel, and R to analyze TFP among enterprises of varying ownerships and the distribution data of FDI across different sectors in China.
- Exploited Matplotlib for visual representation, highlighting FDI's contribution to China's capital formation, export volume, and technological advancements. Additionally, operated R for hypothesis testing to further validate findings.
- Based on the research, unveiled the underlying dynamics of how FDI influences China's economic growth trajectory.

SKILLS & INTERESTS

- LANGUAGES: Chinese (Native), English (Fluent)
- SKILLS: Python, R, MATLAB, SQL, SPSS, MS Office
- INTERESTS: Dizi (Chinese flute); Conducting; Playing Go; Texas Hold'em; Basketball; Table Tennis; Traveling.

Haojun Huang

Email: hh3026@columbia.edu | Mobile: (1) 718.668.4898

EDUCATION

Columbia University

09/2023-present

- Master of Arts in Economics

New York University

09/2019-05/2023

- Bachelor of Arts, Major in Economics & Mathematics, Minor in Business Studies | Cumulative GPA 3.8/4.0
- Honors & Awards | University Honor Scholar | Dean's List for Academic Year (2019-2020, 2020-2021, 2021-2022) | NYU Shanghai's Inaugural Teaching Excellence Award (2021-2022)

INTERNSHIPS

China Huarong Asset Management Co., Ltd.

Intern at Department of Equity Investment, Beijing, China

04/2022-08/2022

- Conducted financial analysis of the Golden Dragon Precise Copper Tube Group Inc. (GD), including its revenues, expenses, and operations; researched GD's competitors activities via the Wind-Financial Terminal, collected and analyzed complex data from multiple sources to assist the team and managers to determine GD's growth and value through building business models and conducting detailed valuation analysis

Beijing Xiaomi Mobile Software Co., Ltd.

Intern at Department of Administration, Beijing, China

06/2021-08/2021

- Oversaw day-to-day office tasks and ensured they were completed accurately and in a timely manner, responsible for planning and coordinating logistics and materials for staff events, creating detailed expense reports, ordering and distributing office supplies

Bank of China Beijing Wangfujing Sub-Branch

Intern at Corporate Banking Dept. & Personal Banking Dept., Beijing, China

12/2020-01/2021

- Assisted the Client Manager with business development, selecting high-credit-rating customers, preparing financial reports, classifying customer files, handling the credit extension process, and maintaining client relationships

Panash International Textile Co., Ltd.

Business Development Intern, Hangzhou, China

Each Summer 2014 - 2018

- Helped the company chairman in meetings with potential customers and product development; completed research task about textile

RESEARCH PROJECTS

Project: Building a More Fair and Inclusive Financial System--Strategies, Public Services, and Financial Infrastructure

- Research Assistant to Dr. Xueyin Song, Zhejiang University 01/2022-Present
- Carried out a comparative review on practices of building inclusive financial systems: examples of other countries, including shared principles, strategic approaches, business models, affordable financial products, consumers' financial capability, etc.
- Arranged and studied preliminary datasets from research reports to develop meaningful indicators

Project: An Investigation of the Living Conditions of Empty Nesters in Rural Areas of Jiangxi Province

- Independent Researcher, Leader of Three-Student Group 08/2018-12/2018
- Implemented qualitative research on the wellbeing of the elderly population whose adult children left the region and found that nearly 70% of the participants were suffering from lack of access to their health care needs and had limited economic/social support structures
- Wrote a research paper and published on *The Fortune Times*, Issue 11, December 2018

EXTRACURRICULAR ACTIVITIES

Director of Service, New York University CAS International Student Club

04/2022-05/2023

- Lead a team of six students to draft, plan, and implement enriching activities for international students; oversee logistics and budget

Peer Mentor, New York University Language Peer Mentor Program

09/2021-05/2022

- Taught three international students Chinese and introduced important components of Chinese culture: festivals, meals, literature, etc.

Volunteer

- Isaacs Center New York | 09/2022-Present Every weekend plate, pack, and distribute hundreds of packages of meals to food-insecure families
- Flood Control, Rescue & Relief Program of Jiujiang City, Jiangxi Province | 07/2019 & 07/2020 | coordinated companies and business owners to gather food, water, clean up supplies like mops and gloves | Distributed foods and non-food items (blankets, mosquito nets)
- Volunteer, Supporting Low-Income Families in Impoverished Areas Fund | 01/2017-Present Organized family-sponsored fundraising events for poverty alleviation in Jiujiang of Jiangxi Province

Personal Skills

Interest | Stock and option markets (earned more than \$200,000 during college), billiards, ski, photography, tennis, badminton, cars

Languages | Chinese/Mandarin, Lin Chuan Dialect of Chinese, Shao Xing Dialect of Chinese, English

Programming | R, Statistical Modeling

Technology | Photoshop, Flash, Corel VideoStudio, Imovie, CAD 3D, Premiere, Unity3D, Final Cut Pro

HUATAO HUANG

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EDUCATION

Master of Arts in Economics Aug. 2023 – Dec. 2024
Columbia University, New York, NY

Bachelor of Arts with High Honors in Economics and Mathematics Jan. 2020 – May. 2023
New York University, New York, NY

- GPA: 3.70/4.00
- GRE: Verbal Reasoning 161 + Quantitative Reasoning 169
- Minor in Business Studies

ACADEMIC EXPERIENCE

Honors Thesis in Economics Aug. 2022 – May. 2023

- Research topic: State income taxes and interstate migration pattern
- Conducted primary research on how income tax differentials influenced the migration pattern between US states
- Developed a theoretical model about how people with different preference over consumption make their migration decisions
- Produced a regression model of US interstate migration and income tax difference.

IXperience Summer Investment Finance Course Jul. 2022 – Aug. 2022

- Took six-weeks courses on investment finance models (investment waterfall models) and real-life investment strategies (venture capital, private equity and hedge funds)
- Produced investment waterfall models on made up and real-life company financials (including quake technologies, fox& robin and stratify technology) to analyze returns on investment into these companies

PROFESSIONAL EXPERIENCE

Information and Communications Technology Fund Intern, Caleo Capital Jul. 2022 – Aug. 2022

A South Africa based investment management and advisory firm which focuses on providing growth capital to local startups and operating companies.

- Conducted market analysis on South Africa ICT sectors
- Evaluated income equality situations in South Africa and created a relevant analysis on the vision of the fund
- Completed financial analysis on different companies in Caleo Capital's fund portfolio
- Integrated everything into one prospectus for the ICT Fund

Investment and Development Intern, Greentown China, Shanghai China Sept. 2019 – Jan. 2020

One of the top ten real estate companies in China with an annual revenue of 100 billion RMB

- Revised residential property program reports and presented in decision meetings
- Conducted individual research on residential markets in Malaysia
- Assisted in research on residential property markets in Seattle, Hawaii Sydney, and Vancouver
- Completed business proposal for a residential property program in Jiangsu, China
- Evaluated a construction project in Wuxi, China and presented to line manager

ADDITIONAL EXPERIENCE

Junior Class Board, New York University Sept. 2021 – Jun. 2022

- Coordinated with vendors and contacted for purchase orders and donations to events
- Organized year initiatives and semester events with board members including alumni seminars and senior house visiting.

SKILLS AND INTERESTS

-
- *Computer:* R language, Excel, Microsoft Office, Python
 - *Language:* Chinese as first language

JARRET HELMER

jarrethelmer@gmail.com · www.linkedin.com/in/jarret-helmer · (952)-486-0266

EDUCATION

SEPTEMBER 2023 – DECEMBER 2024

M.A. IN ECONOMICS, COLUMBIA UNIVERSITY (NEW YORK, NEW YORK)

SEPTEMBER 2020 – MAY 2023

B.A. IN MATHEMATICS AND B.A. IN ECONOMICS, UNIVERSITY OF ST. THOMAS (SAINT PAUL, MINNESOTA)

- Mathematics and Economics double major. Theology minor. GPA: 3.87. Graduated Magna Cum Laude. Dean's List (all semesters).
- Campus involvement: Badminton club president, Tabletop gaming club Vice President, Cellist in the university string orchestra.

EXPERIENCE

SEPTEMBER 2022 – MAY 2023

VICE PRESIDENT OF FINANCIAL AFFAIRS, UNDERGRADUATE STUDENT GOVERNMENT, UNIVERSITY OF ST. THOMAS (UST)

- Created the Undergraduate Student Government (USG) budget, consisting of \$300,000. Reviewed 300 USG purchases and tracked expenditures. Audited 120 UST clubs. Chaired the USG Finance Committee.
- Served on the: Dining Services Committee, Budget Advisory Committee, Student Activity Fee Allocation Committee, Constitutional Review Committee, and Student Organizations and Clubs Committee.

JUNE 2022 – MAY 2023

CREDIT INTERN, OLYMPIC STEEL (NASDAQ: ZEUS)

- Gathered financial references to support customers' lines of credit. Updated 50 accounts per month. Streamlined online processes in Salesforce. Processed 150 steel and trucking invoices per week.

JUNE 2021 – AUGUST 2021

PROGRAM SPECIALIST, CITY OF BLOOMINGTON

- Assisted in the implementation, coordination, and supervision of recreation programming at 6 locations. Member of the Bloomington Summer Adventure leadership team. Provided on-site leadership to 20 staff and teen volunteers at various sites.

SKILLS & ACTIVITIES

- Salesforce, LaTeX, Microsoft Office, Stata, C
- Special Olympics of Minnesota: Volunteer as a coach and unified partner Mar. 2019 – Present

Zihan Jin

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EDUCATION

Columbia University

Master of Arts in Economics

Sept. 2023 – Dec. 2024

New York, US

University of Toronto

Bachelor of Science in Statistics and Economics, GPA: 3.75/4.0, Dean's List Scholar

Sept. 2019 – Apr. 2023

Toronto, Canada

- Core Courses: Financial Economics, International Monetary Policy, Stat Machine Learning, Time Series Analysis

Bocconi University

Study Abroad

Sept. 2022 – Jan. 2023

Milan, Italy

PROFESSIONAL EXPERIENCE

CITIC Securities

May 2023 – Aug. 2023

Investment Banking Intern, Energy and New Material Industry Group

Beijing, China

- Assisted in financial and legal due diligence for a State-Owned Enterprise IPO Project, including project compliance verification, labor and employment verification, and in-depth investigation of related parties and affiliations.
- Formulated six case study reports that encompassed analyzing the thermal power industry, high-pollution projects verification, bidding procedures for engineering construction projects, and large fundraising debt repayment.
- Gathered data using Wind terminal, updated roadshow materials, and revised filing documents.

China Securities

Jun. 2022 – Sept. 2022

Investment Banking Intern, Debt Capital Market

Beijing, China

- Participated in due diligence and declaration of credit bonds of five enterprises with a cumulated scale of 500+ billion yuan, including corporate bonds, super & short-term commercial paper, and medium-term note, etc.
- Wrote bond prospectus, including compiling business conditions, calculating financial data indicators, analyzing interest-bearing liabilities, and summarizing statistics on direct and indirect financing.
- Prepared pitch books for the bidding work of two credit bonds.

Zhejiang Geely Holding Group (Fortune 500)

Dec. 2021 – May 2022

Strategy Intern, Digital Technology Sector

Remote

- Researched ESG investing and carbon financial derivatives, focusing on green credits, green bonds, disclosure standards, and digital product applications; wrote 20 weekly reports for the team and the vice president.
- Assisted with Metaverse, NFT, and digital collection industry analysis, identified strategic investors using Geely's Geetaverse platform and prepared financing roadshow.

Bank of Montreal

Mar. 2021 – Jun. 2021

Data Governance Intern

Beijing, China

- Drafted China localized Data Management Guidance and established 86 data fields for data asset governance platform by consolidating 100+ requirements from regulators, vendors, and the headquarter.
- Collaborated with stakeholders to conduct an internal audit, uncovering 1,500+ instances of suspicious data within 32 reports containing 10,000+ data points. Summarized 17 root causes and presented findings to department heads.

Triniti Capital (Venture Capital in Semiconductor Industry)

Jul. 2020 – Oct. 2020

Fundraising and Post-investment Management Intern

Beijing, China

- Calculated net profit, Internal Rate of Return, Distribution to Paid in Capital, book-to-market ratio, and Limited Partners (LPs) share proportion and transferred capital for 30+ invested projects in three funds.
- Investigated potential LPs, including 17 Funds of Funds, 10 private enterprises, and 15 government-guided funds.

RESEARCH PROJECTS

Time Series Analysis of Global Ocean Temperature Based on ASTSA

- Detrended data with HP filter method, confirmed stationary, identified ARIMA model based on ACF, PACF, and EACF analysis, and conducted residual error testing with Ljung-Box method to validate the model.
- Forecasted the rate of decline in sea surface temperature from 2010 to 2019 and studied the data spectrum.

The Influence of County Characteristics on Republican Share in US Election

- Web scraped 3000+ US county-level data using BeautifulSoup, cleaned 20,000+ data with NumPy and Pandas.
- Created 13 graphs via Matplotlib, four interactive maps using Bokeh, performed OLS regression with Statsmodels.
- Summarized findings and produced a 35-page report outlining a Republican campaign's fund allocation strategy.

SKILLS AND LANGUAGES

Software: Microsoft Office, Python, R, STATA

Languages: Mandarin Chinese (native), English (advanced), Spanish (basic)

MANAK KATARIA

New York, NY | mk4806@columbia.edu

EDUCATION

- 11/2020–05/2023 **Hindu College, University of Delhi – Bachelor of Arts: (Honors) Economics**
- **Academic Performance:** Grand CGPA: 8.824/10, Division: First
 - **Relevant Coursework:** Microeconomic Theory, Macroeconomic Theory, Mathematical and Statistical Methods for Economics, Introductory Econometrics, International Trade, Political Economy, Development Economics, Money and Financial Markets, Law and Economics

RESEARCH EXPERIENCE

- 06/2022–09/2022 **Research Intern**
Supervisor: Dr. Kunal Dasgupta, Indian Institute of Management Bangalore, Bengaluru, Karnataka, India
- Collected secondary data and created shapefiles containing locations of every agricultural market in India to study spatial concentration of markets for a research project analyzing productivity of the agricultural sector in India.
 - Supported research on a report examining potential causes for the recent Global Shipping Crisis for a project assigned by the Ministry of Commerce for the upcoming G20 Summit in 2023.
 - Curated, cleaned and analyzed data related to the Global Shipping Crisis such as container traffic and congestion, change in shipping volumes worldwide, and historical nature of profits of firms belonging to major alliances.
- 06/2022–09/2022 **Research Intern**
Supervisor: Dr. Kanika Mahajan, Ashoka University, Sonapat, Haryana, India
- Conducted scoping exercise consisting of compiling data relating to seat matrices of various courses at the University of Delhi for a research project aimed at understanding decision making of undergraduate students in labor markets.
 - Prepared report analyzing the structure of all undergraduate and postgraduate courses offered by the University of Delhi.
- 06/2022–09/2022 **Volunteer**
Statistics Without Borders Online Learning Material Team
- Developed Presentation on Basic Regression Analysis with Time Series Data with sub-topics including Functional Forms, Dummy Variables, Index Numbers, and Trends and Seasonality for a project in collaboration with the African Institution of Professional Development.

RELEVANT RESEARCH SKILLS

Research Methods: Time-Series Analysis, Vector Analysis, Regression Analysis, Survey Research.

Programming Languages and Statistical Software: R (Intermediate), QGIS (Intermediate), Microsoft Excel (Proficient), IBM SPSS (Intermediate), Stata (Intermediate)

ZHUORAN LYU

New York, N.Y. 10025 | zhuoran.lyu@columbia.edu

EDUCATION

Columbia University

Master of Arts in Economics

New York, U.S.

Aug. 2023 – Present

- Honors: ECON MAO Fellowship, General Scholarship

Yuanpei College, Peking University

Bachelor of Laws in Philosophy, Politics and Economics (PPE)

Beijing, China

Sept. 2018 – July 2023

- Honors: Merit Student (2018-2022, top 10%)
- GPA: 3.75/4.00 (major), 3.55/4.00 (cumulative)

University of California, Berkeley

Exchange Student

Berkeley, U.S.

Jan. 2022 – July 2022

- GPA: 4.00/4.00

RESEARCH EXPERIENCE

Agent-based Modeling: Opinion Dynamics and Gender Antagonism

Sept. 2021 – May 2022

Advisor: Prof. [Tiejun Li](#), Prof. [Xin Tong](#), Peking University

- Second prize in the 30th “Challenge Cup” Academic Competition, Peking University
- Used an agent-based model to simulate the evolution of group opinions on anonymous forums and social networks in the case of gender antagonism.
- Showed that stable, active neutrals would mitigate the opposition between extremists.

Enterprise Survey for Innovation and Entrepreneurship in China

Mar. 2020 – Sept. 2020

Advisor: Prof. [Xiaobo Zhang](#), Peking University

- Conducted phone interviews and collected data from small and micro companies (sample size 4000, 65% completion rate), finding that 40% had closed or exited the market due to Covid.

Fertility Intentions and Family Values of Students at Peking University

Oct. 2020 – Jan. 2021

Advisor: Assoc. Prof. [Jie Yan](#), Peking University

- Conducted a survey with 400 participants, showing that attributes of the family of origin were causally related to fertility intentions with a substantial gender discrepancy.

Degree Thesis

Oct. 2022 – May 2023

Advisor: Asst. Prof. [Fanqi Shi](#), Peking University

- Theoretically integrated altruism into the classic VCG mechanism for broader application.

LEADERSHIP & VOLUNTEER EXPERIENCE

Vice President of the Student Union of Yuanpei College

May 2020 – Oct. 2021

- Organized and co-chaired the parallel session of the Shaoxing Yuanpei Conference on Liberal Arts Education at the university level as the representative of Peking University.
- Directed and organized more than 20 major college events and volunteer activities.

Admission Volunteer

May – Aug. 2019, June – Aug. 2020

- Leading volunteer at the admission office of Peking University; Provided comprehensive information about the university and visited prospective students for updates and suggestions.

SKILLS AND LANGUAGES

Skills: LaTeX, STATA, SPSS

Languages: Mandarin (native), English (fluent, TOEFL 110, GRE 167+170)

William (Zixiang) Ma

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EDUCATION

COLUMBIA UNIVERSITY

Master of Arts in **Economics**

New York, NY

December 2024 (Expected)

JOHNS HOPKINS UNIVERSITY

Bachelor of Arts in **Economics & International Studies**, minor in **Financial Economics**

Baltimore, MD

May 2023

- **Cumulative GPA: 3.86/4.00**
- **Honors:** Dean's List, Sigma Iota Rho (Honor Society for International Studies), Honors in Economics Major

PROFESSIONAL EXPERIENCE

DAHUI LAWYERS

Paralegal

Beijing, China

June 2023 – July 2023

- Researched legal aspects of medical devices' premarket approval and manufacturing across three provinces
- Participated in drafting substantive analysis of Lone Star Capital's prospective acquisition of a China-based off-highway brake calipers manufacturer; Assisted in preparing client for governmental anti-trust review

JHU APPLIED ECONOMICS INSTITUTE

Team Chief & Research Assistant – Monetary Analysis Team

Baltimore, MD

January 2022 – December 2022

- Created 2022 Misery Index for 28 countries by tracking vital monetary/financial indicators to gauge wellbeing
- Co-authored a working paper discussing monetarism, Quantity Theory of Money (QTM), using the austerity reform during Charles De Gaulle's administration as a case study
- Wrote research memos on US monetary policy, US macroeconomic policy, inflation, and technological change

CHINA INTERNATIONAL CAPITAL CORPORATION

Summer Intern – Private Equity/Fund of Funds Division

Beijing, China

July 2021 – August 2021

- Completed due diligence for three private equity funds by conducting interviews and running comparable company analysis on key financial multiples for valuation using data sourced from Capital IQ and Wind
- Participated in Xianghe Capital's ¥1.5Billion Second Fund Financing; Assisted in analyses of investment strategy and direction, historical performance of RMB and USD funds, compensation system, investment procedure, and post-investment management

EXTRACURRICULAR EXPERIENCE

WORLD RELIEF

Youth Tutor

Baltimore, MD

August 2022 – December 2022

- Assisted eight immigrant and refugee youth with homework and other academic challenges
- Helped them adapt to English-speaking schools and new cultures more quickly

GHANA CHANGEMAKER PROGRAM

Social Enterprise Research Group Leader

Accra, Ghana

July 2017 – August 2017, July 2019

- Designed and pitched business plan for green energy start-up in a rural village near Accra
- Researched and interviewed 20+ villagers to set up social enterprises among underprivileged communities

ADDITIONAL

- **Languages:** Mandarin (native), Spanish (beginner)
- **Programs & Technology:** Bloomberg, Capital IQ, Wind, Excel, PPT, Python, MATLAB
- **Interests:** Photography, Badminton, automobiles (F1 Racing)

CYRUS MITCHELL

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EDUCATION

COLUMBIA UNIVERSITY

New York, NY

Master of Arts, Economics

2023-2024 (*expected*)

- Relevant coursework includes Math Methods for Economists, Econometrics I, Macroeconomics Analysis I, and Microeconomic Analysis I

UNIVERSITY OF OREGON

Eugene, OR

Bachelor of Science, Economics with minors in Math and Business Administration

August 2023

- Graduated summa cum laude with a 4.0 GPA
- Relevant coursework includes the Calculus series, Linear Algebra Series, Proofs and Problem Solving, Intermediate Microeconomics, Intermediate Macroeconomics, Econometrics, and Financial Economics
- Participated in the economics club

ACADEMIC AWARDS

- Alanson H. Kleinsorge Economics Scholarship
- H.T. Koplin Memorial Scholarship in Economics
- General University Scholarship (University of Oregon)
- Ben Masengil Scholarship

Skills

- Experience with R, Python, and Microsoft Suite
-

EXPERIENCE

Although my work experience may not be immediately applicable to the consulting/finance sectors, its broader implications signal important skills and attributes that add value to these industries. Farm work, for example, is more applicable to career success than one may expect. The ideal wheat harvest occurs in a short time frame (around a month or so) to prevent the wheat from spoiling and losing the crop. This important time frame, paired with a constant that becomes apparent quickly - something always breaks - forces the successful farmer (and teaches the farmhand) to accept uncertainty, have confidence in their ability to solve unexpected challenges, have the work ethic to push through based on nature's deadlines, and stop to appreciate the beauty of the scenery once in a while.

SONCARTY FARM

Colfax, WA

Farm work

August 2021; August 2020 – September 2020

- Performed duties such as tilling soil, transporting grain, and maintaining farm equipment
- Independently met daily progress goals
- Received an offer to return for upcoming summers
- Managed the setting up, operation, and repair of farm machinery and equipment

FEDEx

Salem, OR

Delivery Driver

July 2021 – August 2021

- Trusted to operate the largest stepvan available after four days of training
- Operated numerous routes, completing an average of 80 stops per day
- Utilized the navigation app to determine the most efficient routes
- Performed preventative vehicle maintenance checks prior to departure

AMADEUS RESTAURANT

Salem, OR

Server and Host

September 2018 – November 2019

- Successfully maximized the number of customers while ensuring a positive individual experience
- Trusted to give a welcoming first impression of the restaurant
- Worked in collaboration with waitstaff, the kitchen, and ownership to ensure efficient operation
- Acquired more responsibilities as time progressed, eventually managing the floor

RUIZE (KARL) NIU

rn2589@columbia.edu | (404) 317-7144 | Apt 227, 400 West 113th Street, New York City, NY 10025

EDUCATION

Columbia University

Master of Arts in Economics

New York, NY

Expected Dec. 2024

Emory University

Bachelor of Arts in Economics, Bachelor of Science in Applied Mathematics

Atlanta, GA

May 2023

Cumulative GPA: 3.89/4.00 | **Economics Major GPA:** 4.00/4.00 | **Applied Mathematics GPA:** 3.93/4.00

Related Coursework: Numerical Analysis (MATLAB), Econometrics, Mathematical Modeling, Probability and Statistics, Algorithm & Data Structure, Partial Differential Equation, Non-linear Optimization, Combinatorics

Honors: Member of Omicron Delta Epsilon (International Honor Society for Economics), Zeta Chapter of Georgia, Dean's List

PROFESSIONAL EXPERIENCE

Lions Financial

New York, NY

Financial Analyst Intern

Jul. 2022 – Sept. 2022

- Gathered and analyzed the stock price trends of Cathay Pacific, completed performance analysis and A/B testing in Excel and Python, compared local and global airlines using comparative index analysis and data visualization in Stata
- Conducted investment research analysis on Asian airline corporations regarding stock prices and profitability

Deloitte

Nanjing, China

Risk Advisory Intern

Jan. 2021 – Feb. 2021

- Evaluated conditions of ten companies from different industries; conducted field studies and performed background checks, focusing on present financial status, future earnings prospects, public welfare compliance, and development plans
- Wrote evaluation and risk advisory reports for evaluated firms to minimize their risks in financial activities

Emory University Department of Economics

Atlanta, GA

Research Assistant

Dec. 2020 – Apr. 2023

- Worked with Professor Vivian (Zhanwei) Yue to research the prices of sovereign bonds in local and international currencies since 1995; gathered and summarized data about daily bond prices from Excel data stream using the ISIN code; categorized those bonds with the currency, maturity, and country code
- Worked with Professor Caroline Fohlin to research the German stock market from post-WWI to pre-WWII; reviewed relevant statistics regarding aggregate economic situations; analyzed historical stock exchange prices and summarized relevant IBP data; gathered data about the Berlin Stock Exchange and New York Exchange; conducted research on the German financial markets in the interwar period

Emory Impact Investing Group

Atlanta, GA

Research Team Member

Aug. 2020 – May. 2021

- Collaborated in a four-member group to research the SBA (Small Business Administration) loan situation and minority-owned businesses in Atlanta, and how their conditions have changed during the pandemic
- Spearheaded gathering of information and statistics summarization; consulted multiple sources like the census bureau, local databases, and local media; created analysis report and presented findings

PROJECT EXPERIENCE

Unlawful Assembly (Python)

Jan. 2023 – Feb. 2023

- Identified factors that affect the maximum space capacity in pre- and post-Covid conditions, derived piecewise differential equations and diagrams that model how the maximum space capacity is determined
- Used Python to simulate the emergency exit time and air freshness given certain numbers of people within the space, determined the maximum capacities based on these factors on Emory campus facilities

Asset Allocation (Excel)

Mar. 2022 – Apr. 2022

- Computed the monthly market excess and risk-free returns of 10 selected stocks from Yahoo Finance with Excel, summarized their 120-month period mean, volatility, and covariance in returns using Analysis ToolPak
- Calculated the portfolio optimization according to the tangency portfolio and the α -values from Solver for abnormal returns and minimum variances within a six-month period, compared the results with and without position constraints

ADDITIONAL INFORMATION

Computer Skills: C++, Python, Java, R, MATLAB, Stata, LaTeX

Languages: English (Fluent), Mandarin Chinese (Native), German (Intermediate)

Hobbies: Piano (15 years), Singing (Emory Choirs), Writing, Chinese Chess (Master Certificate), Card games

Services: Emory Autism Awareness Organization, SHINE

GUANGXUN(GRACE) OUYANG

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EDUCATION

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

Master of Arts in Economics

New York, NY

Aug. 2023 – Expected Dec. 2024

THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN

BBA in Applied Economics, GPA: 3.6/4.0 (First Class with Honours)

Shenzhen, China

Sept. 2019 – Jul. 2023

- **Selected Courses:** Calculus, Linear Algebra, ODE, Programming, Stochastic Processes, Advanced Microeconomics

YALE UNIVERSITY

Visiting International Student Program for Academic Year 2021-2022, GPA: 3.7/4.0

New Haven, CT

Aug. 2021– Jun. 2022

- **Selected Courses:** Development Economics, Dynamic Game Theory, Mathematical Analysis, Theoretical Statistics

WORKING PAPER

“How do Negative Labor Demand Shocks Affect People’s Marriage Decisions in China?”

Jul. 2022 – Present

19th and 20th round of the University Research Award Owner, Guided by Prof. Wei Lin

Shenzhen, China

- Designed a Risk-Sharing Model with STATA to explain the decrease (increase) in the likelihood of marriage among the advantaged (disadvantaged) under the negative labor demand shocks brought by import competition
- Demonstrated the buffering effect of marriage and the declining marriage probability as a sign of monetary freedom

RESEARCH EXPERIENCE

CHINA FORTUNE SECURITIES INC.

Quantitative Researcher for Risk Analysis, Department of Multi-Asset Investment

Shanghai, China

May. 2023 – Aug. 2023

- Built the Multi Assets Risk Monitor Systems with Python by applying six factors to forecast the trend of the CSI 300 Index and the rotation of Large-cap and Small-Cap ETF, and designing the corresponding trading strategies
- Assisted with FOF investment through participation in PE firms’ due diligence and cooperation with the Shenzhen office

THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN

Research Assistant in Platform Economics, Prof. Tat-How Teh

Shenzhen, China

Sept. 2022 – Nov. 2022

- Conducted numerical simulation with MATLAB for the theoretical Creator-Viewer Platform business models
- Determined the equilibrium profit shares in three content-hosting models by doing data optimization and visualization

Research Assistant in Development Economics, Prof. Peng Zhang

Mar. 2022 – Jun. 2022

- Constructed the regional tariff variables in China from 1994 to 2014 with Urban Household Survey Database
- Generated panel data (socioeconomic indicators) using the China Health and Nutrition Survey Database with STATA

PEKING UNIVERSITY

Researcher at the National School of Development, Dr. Baoqun Fan

Beijing (Remote), China

Jul. 2022 – Oct. 2022

- Summarized fifteen Clear Coal technologies developed by the National Energy Technology Laboratory and three milestone Clean Energy Policy Acts implemented in the United States between 2000 and 2022

YALE UNIVERSITY

Research Assistant at the School of Environmental Law & Policy, Dr. Reed Miller

New Haven, CT

Feb. 2022 – Aug. 2022

- Cleaned data for trade in endangered species from 1990 to 2019 with Whole Organism Equivalence Conversion using R

LEADERSHIP EXPERIENCE

THE CHINESE UNIVERSITY OF HONG KONG, SHENZHEN

Undergraduate Student Teaching Fellow for Intermediate Microeconomics

Shenzhen, China

Jan. 2023 - May. 2023

- Taught weekly 4-hour tutorial sessions to 200 students about textbook exercises and held office hours for Q&A

YALE VISITING INTERNATIONAL STUDENT PROGRAM

Student Ambassador in the Academic Year 2021-2022

New Haven, CT

Aug. 2021– Jun. 2022

- Hosted the farewell parties and made documentaries with Pr that were posted to the official website

LOREAL BRANDSTORM CASE COMPETITION

Dec. 2020 – Apr. 2021

- Initiated the Makeup Beginner Development Program to help users handle makeup with a gamified experience
- Led the team to Top 12 in campus selection, Top 100 out of 9500 in mainland China, and personally to “Best Presenter”

ACTIVITIES & SKILLS

Activities: Actress and Director at the Phantom Drama Club, Photography, Model United Nations (Outstanding Delegate)

Computer Skills: Python, MATLAB, STATA, LaTeX, Eviews, R, Microsoft Office, Pr, iMovie

Language Skills: Mandarin (Native), English (Proficient)

Interests: Biking, Yoga, Deadlift, Breaststroke, Cooking

Haojun Huang

Email: hh3026@columbia.edu | Mobile: (1) 718.668.4898

EDUCATION

Columbia University

Master of Arts in Economics

New York, NY

09/2023 - present

New York University

Bachelor of Arts, Major in Economics and Mathematics, Minor in Business Studies | GPA 3.8/4.0 | GRE 334/340

New York, NY

09/2019 - 05/2023

Honors & Awards | University Honor Scholar | Dean's List (2019-2023) | Inaugural Teaching Excellence Award (2021-2022)

PROFESSIONAL EXPERIENCE

China Huarong Asset Management Co., Ltd.

Department of Equity Investment, General Manager Assistant

Beijing, China

04/2022 - 08/2022

- Conducted financial analysis of the Golden Dragon Precise Copper Tube Group Inc. (GD), including its revenues, expenses, and operations.
- Researched GD's competitors' activities via the Wind-Financial Terminal.
- Analyzed data from multiple sources and built business models with detailed valuation analysis to assist manager with GD's growth and value.

Beijing Xiaomi Mobile Software Co., Ltd.

Intern at Department of Administration

Beijing, China

06/2021 - 08/2021

- Oversaw day-to-day office tasks and ensured they were completed accurately and in a timely manner.
- Planned and coordinated logistics and materials for staff events, created expense reports, ordered and distributed office supplies.

Bank of China Beijing Wangfujing Sub-Branch

Intern at Corporate Banking & Personal Banking Department

Beijing, China

12/2020 - 01/2021

- Assisted the Client Manager with business development, selecting high-credit-rating customers, preparing financial reports, classifying customer files, handling the credit extension process, and maintaining client relationships.

Panash International Textile Co., Ltd.

Business Development Intern

Hangzhou, China

Each Summer 2014 - 2018

- Helped the company chairman in meetings with customers, marketing initiatives, and product development; completed research task about textile.

RESEARCH PROJECTS

Building a More Fair and Inclusive Financial System:

Strategies, Public Services, and Financial Infrastructure

Hangzhou, China

Research Assistant to Dr. Xueyin Song, Zhejiang University

01/2022 - Present

- Carried out a comparative review on practices of building inclusive financial systems: examples of other countries, including shared principles, strategic approaches, business models, affordable financial products, consumers' financial capability, etc.
- Arranged and studied preliminary datasets from research reports to develop meaningful indicators.

An Investigation of the Living Conditions of Empty Nesters in Rural Areas of Jiangxi Province

Jiangxi, China

Independent Researcher, Leader of Three-Student Group

08/2018 - 12/2018

- Implemented qualitative research on the wellbeing of the elderly population whose adult children left the region.
- Found that nearly 70% of the participants were suffering from lack of access to health care needs and economic/social support structures.
- Wrote *Living Conditions of Empty Nesters in Rural Areas of Jiangxi Province*, and published on *The Fortune Times*, Issued 11, December 2018.

EXTRACURRICULAR ACTIVITIES

New York University CAS International Student Club

Director of Service

New York, NY

04/2022 - 05/2023

- Lead a team of six students to draft, plan, and implement enriching activities for international students; oversee logistics and budget.

New York University Language Peer Mentor Program

Peer Mentor

New York, NY

09/2021 - 05/2022

- Taught three international students Chinese and introduced important components of Chinese culture: festivals, meals, literature, etc.

Volunteer

- Isaacs Center New York** | 09/2022-Present Every weekend plate, pack, and distribute hundreds of packages of meals to food-insecure families
- Flood Control, Rescue & Relief Program, Jiujiang City, Jiangxi Province** | 07/2019 & 07/2020 | coordinated companies and business owners to gather food, water, clean up supplies like mops and gloves | Distributed foods and non-food items (blankets, mosquito nets)
- Volunteer, Supporting Low-Income Families in Impoverished Areas Fund, Jiujiang City, Jiangxi Province** | 01/2017-Present Organized family-sponsored fundraising events for poverty alleviation in Jiujiang of Jiangxi Province

Personal Skills

Interest | Stock and option markets (earned more than \$200,000 during college), billiards, ski, photography, tennis, badminton, cars

Languages | Chinese/Mandarin, Lin Chuan Dialect of Chinese, Shao Xing Dialect of Chinese, English

Programming | R, Statistical Modeling

Technology | Photoshop, Flash, Corel VideoStudio, Imovie, CAD 3D, Premiere, Unity3D, Final Cut Pro

Education and summary

- **Purdue University**
Bachelor of Science: Applied Statistics major and Economics minor -GPA 3.79
- **Columbia University**
Master of Science in Economics *Expected in 12/2024*

I have worked first-hand knowledge of financial calculation, financial data collection and analysis. Working in a marketing company has also helped to develop digital marketing knowledge that helps me to understand consumer taste and preference of products. I pay attention to details and strive to acquire new knowledge and expertise despite challenges. I believe I would succeed in contributing to company's success with my skills and knowledge.

Skills

- Data collection and documentation
- Adept in large data analysis
- Statistical tools
- Coding

Experience

SICHUAN GOLID ENVIRONMENTAL PROTECTION ENGINEER CO - Intern Financial Affairs 05/2021 - 08/2021

Chengdu, Sichuan Province

- I have a demonstrated history of working as an intern at a financial corporation. I worked in the cost analysis department and learnt the ropes of financial decision-making and logistics.
- Short-term goals: to expand my understanding of the different forces that operate in the consumer markets; to know more about e-commerce; to keep abreast with the current market trends; to gain practical experience from internships.
- Long-term goals: increase my knowledge of data science and IoT and learn to use analytical tools to apply my theoretical knowledge to practical purposes.
- As a financial analyst intern, I have a solid theoretical knowledge of the field as well as its first-hand work experience. I have a natural bent towards exploring new horizons and expanding my knowledge.

CHINA-KOREA STUDENT 'YES, CAMP!' COMPETITION - 1st Award-Project Team Leader 05/2021 - 05/2021

Chengdu, Sichuan Province

- As the team leader to conduct leadership for a product development project.
- Assisted in development of a costing plan for restaurant development project.
- Planned the costs and expenditure of materials required for restaurant expenditure.
- Analyzed presence of possible risks for setting up a restaurant.
- Worked as a team to ensure timely delivery of the project.

AMAZON(CHENGDU)

07/2023 - 08/2023

Chengdu, Sichuan Province

Project

- Undergraduate Data Science Researcher: MFRI Veteran Profile Project (2021.9 - TBC): The Data Mine, Purdue University, West Lafayette, IN, August 2021 - April 2022. Collaborated with MFRI on creating veterans profile report based on CENSUS data. Developed Agile measurement, Coding skills, Cooperation, and Data arrangement. Trained to use R, SQL, and Python in STAT 19000 to collect data and visualize.

Ruoxuan Ma

800 Park Ave Apt 2806, Fort Lee, NJ 07024 (765)714-4651 rm4059@columbia.edu

Summary

I have worked first-hand knowledge of financial calculation, financial data collection and analysis. Working in a marketing company has also helped to develop digital marketing knowledge that helps me to understand consumer taste and preference of products. I pay attention to details and strive to acquire new knowledge and expertise despite challenges. I believe I would succeed in contributing to company's success with my skills and knowledge.

Skills

- Data collection and documentation
- Adept in large data analysis
- Statistical tools
- Coding

Education

- **Purdue University**
Bachelor of Science: Applied Statistics major and Economics minor -GPA 3.79
- **Columbia University**
Master of Science in Economics *Expected in 12/2024*

Experience

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Chengdu, Sichuan Province

- I have a demonstrated history of working as an intern at a financial corporation. I worked in the cost analysis department and learnt the ropes of financial decision-making and logistics.
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AMAZON(CHENGDU) 07/2023 - 08/2023
Chengdu, Sichuan Province

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- Undergraduate Data Science Researcher: MFRI Veteran Profile Project (2021.9 - TBC): The Data Mine, Purdue University, West Lafayette, IN, August 2021 - April 2022. Collaborated with MFRI on creating veterans profile report based on CENSUS data. Developed Agile measurement, Coding skills, Cooperation, and Data arrangement. Trained to use R, SQL, and Python in STAT 19000 to collect data and visualize.

Education:

Columbia University, New York, USA

M.A. Economics

09/2023 – 12/2024(expected)

University of Delhi – St. Stephen's College, Delhi, India

B.A. (Hons). Economics; CGPA: 8.95/10

11/2020 – 05/2023

Additional Courses: Applied Econometrics, Money & Financial Markets, Law & Economics, International Trade

London School of Economics and Political Science, London, UK

Summer School; Grade: A-

06/2022 – 07/2022

Course: Financial Markets and The Global Economy

Professional Experience

One District One Product (ODOP) Intern, Invest India, New Delhi

07/2022- 08/2022

- Prepared 10+ action reports about speciality products in various districts under their ODOP. initiative
- Analysed the survey responses of 10+ districts to understand the supply chain bottlenecks of the products and introduce interventions
- Provided analysis of 30+ govt. schemes in agriculture & allied sectors as a means of intervention to overcome the challenges of the products
- Formulated a PoA. for a two-month long awareness & knowledge programme targeted towards the farmers about various sectors of the economy such as government schemes, financing, technology and their challenges

Intern, Induss Strategy, Mumbai

03/2022- 04/2022

- Constructed global & national industrial reports on steel and LED lights, entailing current market value, CAGR., production, & prospects
- Performed peer comparison of seven steel companies in the industry like TATA Steel, JSW, and SAIL based on their product portfolio, gross revenue, stock price, EBITDA. margin, market cap., and manufacturing plants; prepared client's financial snapshot of FY18-21
- Examined 150+ investment firms on their type (Seed/PE/VC), sector, ticket size, and fund size for the investor database of the company

Research Intern, Xcelerator Venture Partners, Mumbai

08/2021- 09/2021

- Researched Alternate Investment Funds (AIFs); comparatively analysed the different categories of AIFs. to formulate an intersecting structure of Category I and II AIFs., presented it to the board of directors
- Investigated the ongoing technicalities and bottlenecks of inward foreign capital investments for a venture capital firm

Research Intern, BMG Techno Consultancy Services, Mumbai

04/2021- 05/2021

- Carried out research on the 100 Smart Cities initiative of the govt.; analysed the performance of various smart city projects in India
- Identified the prospects and execution challenges of the scheme to assess the city's position as a focused business vertical for the company

Research Projects:

Liberalisation, Privatization and Globalization – 1991(India)

08/2021 – 11/2022

- Analysed the impact of the New Economic Policy of 1991, using 8 macroeconomic variables in a twenty-five year period, from 1991 – 2016 using R and Excel.
- Conducted a thorough literature review to understand the variables most impacted by the policy and ran a descriptive-statistical analysis
- Performed regression analysis consisting of three models. The significant explanatory variables were analysed and the data set was tested to check the relevance of the conclusions drawn. Additionally, tested different functional forms best suited for the models.

Public Health Expenditure and Covid-19 Mortality in India

01/2022 – 04/2022

- Executed a literature review analysis to understand whether the states that spent more on public health expenditure fared well in COVID-19
- Interpreted regressions to conclude that health expenditure as a proportion of SGDP. was a significant factor towards the state's mortality.
- The aforementioned hypothesis was graphically examined for the following states – Maharashtra, Uttar Pradesh, Assam, Gujarat, Karnataka and Kerala; their public health expenditure from 2018-2021 and covid mortality rates were taken into consideration.

Poverty in Young Children

05/2021

- Led a case study to understand child poverty, factors contributing to it, indicators to measure it and its consequences. Recommended government funded/provisioned short- and long-term solutions
- Researched on seven different government policies, aimed at combating the factors leading to child poverty.

Leadership Experience and Extra Curriculars:

- President: The Economics Society, St. Stephen's College: the departmental society of Economics (led over 150+ students) 2020 – 2023
- Ideated and organised events like excel simulations, quizzes, lectures, case studies & paper presentations, and the National Economics Festival (flagship event) having a footfall of 5000+; secured sponsorships worth INR 50,000 and 20+ media collaborations
- Assistant Secretary: Campus Placement Cell, St. Stephen's College, Delhi 2020- 2022
- Wrote an article on Green GNP which was published in *The Unorthodox*, Vol. 10, the annual journal of IIM Ranchi 05/2021
- Published [an article](#), highlighting the economics of certain policies, on Medium, which received 600+ views 08/2020

Honors and Awards:

- Winner out of 1000+ teams for the national case study competition, “Vendition Vendetta”, organised by IIM Indore 02/2021
- Maharashtra State Topper - for XII CBSE Board exams – Interviewed by 7+ newspapers, including TOI, The Indian Express 07/2020
- Bharatanatyam – Awarded a diploma, Arangetram (professional) and Advance level certificate 2007- 2018

Skills:

- **Softwares:** R, STATA, GRETL, Maxima, MS-Excel, MS-Word, MS-PowerPoint
- **Languages:** English & Hindi (Fluent), French (Beginner)

Elif Sen

NY, New York 10025 | elif.sen@columbia.edu | 401-659-73-29

EDUCATION

Columbia University

MA, Economics

New York, NY

Expected Dec. 2024

- Honors: Fulbright Scholar, Sena Eken Schieber Economics Award, Merit Scholarship

Koc University

BA, Economics & International Relations

Istanbul, Turkey

Jun. 2022

- Cumulative GPA: 4/4
- Honors: Vehbi Koc Honor Award, Merit Scholarship
- Relevant Coursework: Financial Management, Financial Markets and Institutions, Corporate Finance, Money and Banking

Northwestern University

Study Abroad

Evanston, IL

Dec. 2021

WORK EXPERIENCE

ScaleX Ventures

Venture Capital Analyst

Istanbul, Turkey

Mar. 2023 – Aug. 2023

Summer Analyst

Jun. 2022 – Sept. 2022

- Evaluated potential investments in Enterprise Software, Deep Tech, and Health Tech industries across Central and Eastern Europe; sourced and pre-screened new deals through inbound and outbound channels, bolstering the top of the funnel
- Conducted due diligence on prospective investment opportunities, covering financial models, competitive landscape, valuation analysis, and industry expert and reference calls; wrote investment memos
- Performed market research across emerging technologies, including Web3 and generative AI; presented findings to the investment team
- Attended pitch meetings and networking events; established long-term relationships with founders
- Analyzed financial metrics to assess fund performance and prepared pitch decks for the LP data room; supported Fund II fundraising

Simon – Kucher & Partners

Associate Consultant

Istanbul, Turkey

Jun. 2021 – Sept. 2021 & Jan. 2022 – Mar. 2022

- Built a dynamic freight pricing tool via Dataiku and Excel for a US-based logistics client; prepared final presentations
- Analyzed quantitative and qualitative data to rebuild the sales organization of a leading chemical company, enhancing sales force effectiveness
- Conducted benchmarking analysis; delivered data-driven insights for the formulation of an effective e-commerce strategy for a client in the consumer goods industry, resulting in a 54% increase in sales

PepsiCo

Category Management & Analytics Intern

Istanbul, Turkey

Mar. 2020 – Nov. 2020

- Analyzed consumer and market data to assess category performance; identified growth opportunities
- Delivered strategic recommendations to retailers leveraging category insights

LEADERSHIP

Koc University Financial Investment Group

Committee Member

Istanbul, Turkey

Sept. 2020 – Jun. 2021

- Managed a virtual portfolio consistently outperforming the benchmark; forecasted market moves and evaluated potential trades; compiled and presented mergers and acquisitions reports at weekly meetings

Koc University Dean's Office

Mentor

Istanbul, Turkey

Sept. 2020 – Jun. 2021

- Offered personalized guidance to 10 first-year students; assisted them in defining their academic and career goals; received positive feedback from all mentees

SKILLS

Computer: Proficient in Microsoft Office (Word, Excel, PowerPoint), SQL, SPSS, and Stata

Language: Fluent in English, German, and Turkish

RUIXUAN TAN

New York, NY 10024 | Tel: 3322762520 | rt2913@columbia.edu | <http://linkedin.com/in/ruixuantan>

EDUCATION

Columbia University, New York, NY Master of Arts in Economics	09/2023 - 12/2024
University of Macau, Macau, China Bachelor of Social Sciences in Economics GPA: 3.78/4.0 (Ranking: 3 out of 49) Honours: Dean's Honours List for seven consecutive semesters	08/2019 - 06/2023

INTERNSHIPS

Qiuqian Consulting <i>Research Analyst Intern</i>	05/2023 - 08/2023 <i>Chengdu, China</i>
<ul style="list-style-type: none">Engaged in projects in the medical device SPECT and SIC chip industries by participating in expert in-depth interviews and audio-recordings, provided suggestions of business strategy and competition pattern to clients from policies, technical difficulties, peer enterprises, consumer selections and application scenariosParticipated in research on coffee industry through analysis of brand auditing, SKU, competitor action and consumer preferences	
China International Capital Corporation Limited. <i>Investment Banking Department Assistant</i>	07/2021 - 09/2021 <i>Beijing, China</i>
<ul style="list-style-type: none">Conducted desk research on institutions that invested in the military, civil aviation, and medical fields, including investment stage, competition pattern and corporate advantages to help one related company do IPOResearched into the IoT industry, compared the differences among Tuya Smart, Xiaomi and other Chinese IoT platform companies, covering their strategic layouts, consumer features and platform core competitiveness, finding that IoT companies benefit from cross-industry integration of software and hardwareStudied the requirements and cases for A-shared listed companies to spin off and for subsidiaries to list A shares, and provided advice on policies, requirements and financial reports for A-share split listing to clients	
Huaxi Securities, China <i>Wealth Department Intern</i>	06/2021 - 07/2021 <i>Chengdu, China</i>
<ul style="list-style-type: none">Managed financial statements and consumer data, analyzed insights in detailed posters and slideshows, covering consumer preferences, risk averse and product market potentialUpdated the Pitch Book data using financial databases, researched market size of AI industry in China and its growth potential to identify market gap and provide suggestions for the layout of a related company	

CAMPUS EXPERIENCE

Economic Society of University of Macau <i>Director of Finance Department</i>	09/2021 - 06/2023 <i>Macau, China</i>
<ul style="list-style-type: none">Organized over 20 student activities and took charge of appropriation budget and financial management and reportsExperienced the Sharing Session of the Economics Department in March 2023, inviting senior schoolmates to share their experience in studies and workArranged Macau Commercial Bank Sharing on the economic prospect of Macau in April 2022, participating in discussions on the economic development status, industrial structure and transformation, young graduates' employment situation, and challenges in the diversified industrial development in Macau	
Entrepreneurship Group of Cheng Yu Tung College, University of Macau <i>Group Member</i>	09/2020 - 09/2021 <i>Macau, China</i>
<ul style="list-style-type: none">Prepared to launch the entrepreneurship project by writing business plans, conducting market surveys, and evaluating the feasibility of the projectCompleted over ten pages of a business plan on the "RUN ERRANDS" APP	

PROFESSIONAL SKILLS

- Computer: Python, SPSS, Microsoft Office Suite, Eviews, XLSTAT
- Languages: Mandarin (Native), English (Fluent), Cantonese (Beginner), French (Beginner)

RENEE WANG

573-466-3294 | rw3016@columbia.edu | New York, NY

EDUCATION

Columbia University, Graduate School of Arts and Science, New York, NY Dec. 2024
Master of Arts in Economics

New York University, College of Arts and Science, New York, NY May 2023
Bachelor of Arts in Economics, Minor in Mathematics

GPA: 3.65

Honors and Awards

Presidential Honors Scholar 2020 – 2023

Dr. Evan and Brooke Kaye Research Scholar Fall 2022

Best Presenter at NYU Undergraduate Research Conference Spring 2023

ACADEMIC PROJECTS

New York University, College of Arts and Science, New York, NY 2022 – 2023

Honors Thesis: “Proposer Uncertainty and Competition in Ultimatum Bargaining: an Experimental Study”

(<https://github.com/rw2617/ugthesis>)

- Designed, programmed, and conducted experiments to gather and analyze data investigating how lack of information affects ultimatum bargaining offers when there is competition between sellers

SKILLS

Coding: Python, R, SQL, Java, Javascript, HTML, CSS

Technology: Microsoft Excel, PowerPoint, Word/Google counterparts, Social Media (Instagram, TikTok)

Language: Mandarin Chinese

EXPERIENCE

Accounting and Finance Intern, **Brewer Science**, Rolla, MO June 2023 – August 2023

- Worked to reduce company risk by completing hedging analysis
- Cataloged and updated fixed asset expiration dates in Oracle
- Documented processes for various functions to ensure business continuity
- Reviewed data for company referral bonus program and closed out previously scheduled payouts to ensure record keeping is up-to-date in Jira

Human Resources Intern, **Brewer Science**, Rolla, MO June 2022 – August 2022

- Initiated and designed new employee onboarding gift packages to welcome them to the organization
- Streamlined and document controlled various personnel files for department
- Completed data management project including job title consolidation and competency development
- Developed and organized company-wide lending library
- Organized departmental volunteer opportunity, including researching various organizations and submitting documents for approval to selected charities

Barista/Cashier, **Spoon Me**, Rolla, MO May 2021 – August 2021

- Managed the daily operation of the store including cash flow and relationship with supplier
- Designed the menu with customizations based on observation and analysis of preferences and advertised promotions that increased store loyalty
- Communicated with customers and provided tailored recommendations

Research Assistant, **Missouri S&T, Business and IT Department**, Rolla, MO May 2020 – Oct. 2020

- Researched initial COVID-19 impact from Jan. 2020 to July 2020 in different nations
- Conducted many statistical analyses including two-way ANOVA test and post hoc Tukey test on the effects of development on the total cases and deaths of COVID-19 using Jupyter Notebooks
- Generated several graphs to visualize the relationship between development and rates of COVID-19
- Conducted literature review by compiling and summarizing previous literature on the subject
- Co-authored two published papers: “Effects of National Culture on COVID-19 Pandemic Control and Management” and “COVID-19: Information and Communication Technologies on Pandemic Management”

Xinyang Chen New York, NY

Phone: (+01)6468663130 Email: xc2704@columbia.edu

LinkedIn: <https://www.linkedin.com/in/xinyang-chen-bb3aa4288/>

EDUCATION

Columbia University New York, USA *Master of Arts in Economics*

September — Present

University of Western Australia Perth, Australia *Bachelor of Commerce*

July—June 2023

Majors in Economics and in Mathematics and Statistics.

Relevant Courses: Nonlinear Dynamics and Chaos, Differential Equations, Network Science, Introduction in Pure Mathematics, Game Theory, Applied Macroeconomics, International Trade

Westa College, Southwest University Chongqing, China *Bachelor of Economics*

September—June 2021

Relevant Courses: Econometrics, Linear Algebra, Advanced Mathematics, Probability Theory, Mathematical Economics, Game Theory, Management, Marketing, Finance, Finance, Statistics, Microeconomics, Macroeconomics, Accounting

INTERSHIPS

ZTF Securities Shenzhen, China, Intern of Fixed Income Department

November —December 2021

- Sorted out the prospectus of Shenzhen Xinhao Optoelectronic Technology Co., LTD., including the overall situation of the company and the industry
- Investigated and compare major enterprises in the cross-border e-commerce industry chain from sales, marketing, third party sector, logistics operation management
- Examined the strengths and weaknesses of chip industries among different companies, and form industry analysis reports

Shenzhen National High-tech Industry Innovation Center Shenzhen, China, Macroeconomic Sector July—August 2022

- Participated in the elderly care project, collected information and wrote part of the elderly industry planning content
- Studied the current industrial layout of elderly care in Shenzhen
- Provided recommendations in a report for improving Shenzhen's senior care industry by using Excel to handle foreign data in senior care facilities

RESEARCH PROJECTS

The Game of Three Oligopolies in China's Power Market in the Context of the Opening of the National Carbon Emission Trading Market April —September 2022

Published in CGEE, 2022

- Modified the cost function from an old model according to the national carbon emissions trading market opened in China
- Examined the complex dynamic characteristics of the three oligopoly power firms in the process of making decisions for profit maximization through model derivation and two-parameter numerical simulation
- Used the time-lag feedback method to control the market chaos

The Analysis of the China's Crude Oil Futures Market: The Impact of WTI and Exchange Rate on China's Crude Oil Futures Market February — May 2022

Published in ICIBE, 2022

- Utilized descriptive statistics and regression analysis to investigate the extent to which exchange rates and WTI New York prices affect Chinese crude oil futures prices
- Drew the conclusion according to regression results which are inconsistent with the expected results

EXTRA-CURRICULAR ACTIVITIES

Instrumental Music Team of Westa College, Southwest University *Team Leader*

2020—2021

- Organized team participation in the university level art competition-freshman talent competition, and various social events
- Won the honorary title of Excellent Team of Art Troupe

Student Union of Westa College, Southwest University *Member*

2019—2020

- Managed Student Union outreach affairs; contacted business sponsors
- Responsible for the publicity affairs of the Student Union and the operation of the official Wechat account of university
- Participated in the planning and holding of several university leadership summits and large-scale activities

HONORS & AWARDS

- President's Incentive Scholarship of Westa College, Southwest University, 2021
- The First Prize International Student Scholarship, University of Western Australia, 2021
- Southwest University Struggle Award, 2021
- The Second-class Scholarship of Southwest University, 2020
- Provincial Third Prize of National Mathematics Competition for College Students, 2020
- Merit Student of Southwest University, 2020
- Southwest University Struggle Award, 2020

SKILLS

- Languages: English, Chinese
- Software: Proficient in Microsoft Office; Basic in SPSS, MATLAB, R, MS Office applications (Excel, PowerPoint, Word, etc)

WeiJia Yang

wy2434@columbia.edu | (949)-691-2987 | NY, USA

EDUCATION

Columbia University

Sept. 2023 – Expected Dec. 2024

Master of Arts in Economics

University of California, Irvine

Sept. 2019 – March 2023

Bachelor of Arts in Business Economics

Honor in Economics | Deans Honor Lists 7 times | Research Experience Fellowship | The PBK Society

GPA: 3.94 Magna Cum Laude | Major GPA: 3.98

INTERSHIPS

Orient Securities Co., Research Institute

Shanghai, China

Industry & Company Research Analyst Intern

June 2023 – Aug. 2023

- Conducted desk research about publicly traded companies with focus on Artificial Intelligence (AI)
- Studied companies with fundamental analysis, tech-application seeking, and tech-improvement tracking
- Predicted potential AI development trends in China, with comparison to North America and Europe

FarEast Holding Co. LTD, Developmental Strategy Dept.

Jiangsu, China

(The parent company of 600869, listed on Shanghai Stock Exchange)

Competitive Advantage and Strategy Research Intern

April 2023 – June 2023

- Collaborated with developmental strategies and operations optimizing teams
- Interpreted company performance via financials, factory visits, and in-depth interviews with senior staff
- Deployed M&A for industries of power battery/electric cable manufacture and airport construction

Amino Capital

San Francisco, USA

Investment Researcher Fellowship (VC/PE)

Feb. 2023 – May 2023

- Performed due diligence on potential investments in privately held companies in the technology sector
- Examined companies' business models, competitive landscape, and SWOT analysis
- Forecasted growth prospects of private companies using CCA model and Monte Carlo Simulation Model

Yinhua Fund Management Co. LTD.

Shanghai, China

Analyst Intern

July 2022 – Sept. 2022

- Summarized current market performance of Chinese health sector and investment opportunities
- Compared the USA and Chinese healthcare systems and their implication for profitability
- Identified market growth and future investment value of the Medical Beauty Industry in China

Accenture China

Shanghai, China

Project Management Officer

June 2021 – Sept. 2021

- Managed two SAP enhancement projects pacing and timelines, coordinated meeting times among three departments, and successfully launched the product on time for a top-10-Fortune 500-company client
- Reported project progress by hosting weekly online meetings with C-level clients in U.S. headquarter

PROJECTS

UCI Economics Honor Program Student

Irvine, USA

Independent Researcher

Sept. 2022 – April 2023

- Delivered a 30-page empirical thesis on "Analysis of U.S. Household Debt Performance under the Pandemic" and evaluated structural changes in household debt and household borrowing behaviors

Antai College of Economics and Management, Shanghai Jiao Tong University

Shanghai, China

Strategy Consulting Assistant

Dec. 2020 – June 2021

- Cooperated in "Competitive Strategies of Donghai Securities Co. (one of the top 40 security companies in China) for Asset-Management-Business" by due diligence, onsite visit, and note-taking

SKILLS

Languages: English (fluent), Mandarin (native)

Computer: Excel, PowerPoint, Word, STATA, Wind, Eviews, Python

Interests: Dance (2014 National Competition 1st place), Traveling, Hiking, Exploring

Xunhao Zhang

Tel: 86-18911839106 | **E-mail:** xz3244@columbia.edu

Add: New York City, The United States

EDUCATION BACKGROUND

09/2019-06/2022 **University of California, San Diego**

- **Major:** Economics
- **Cumulative GPA:** 3.803/4.0
- **Main Courses:** Microeconomics, Macroeconomics, Econometrics, Financial Accounting, Enterprise Finance

INTERNSHIP EXPERIENCES

10/2022-04/2023 **SDIC Essence Futures**

Position: *Macroeconomic Research Assistant*

- Searched and tracked the important US economic indicators and data on the BLS, BEA, and Bloomberg Terminal.
- Collected main China's economic targets such as employment and inflation; compared China's monetary, fiscal, and real estate policies over five years.
- Summarized key points from FOMC documents; analyze the Fed's view on inflation and the potential impact of monetary policies on the major asset markets.
- Built the US economic overview, which contains US macroeconomy in the 20th and 21st centuries including GDP, inflation, and nonfarm payroll employment, as well as post-pandemic US economy including consumption, investment, supply, CPI MoM growth rate; find patterns over the long-term data and provide viewpoints on the future US economic trend.
- Researched U.S. Treasury bonds and Treasury futures contracts, including short, medium, and long-term bond issuance structure from 2000 to 2022, bondholder demographics, and delivery mechanism of Treasury futures contracts.
- Applied linear regression models to see correlations between economic factors such as GDP, government expenditures, and fixed investment.
- Made a simple econometric model by using Stata; ran regression between unemployment continued claims and seasonally adjusted unemployment data; provided perspective on whether the US economy can achieve a soft landing.

07/2022 - 09/2022 **China Securities Co., Ltd**

Position: *Intern of Asset Management Department*

Responsibilities:

- Engaged in industry research including industries and selected companies to find the correct investment targets by providing investors with the basis for investment decisions, reminding investors of the risk points and discovering the value of industry investment, and identifying entry points for investment by figuring out the industry cycle and current stage, analyzing the key influencing factors of industry development and predicting the future development trend of the industry.

Project 1: Research on the Lab-Grown Diamond Industry

- Analyzed the overall industry profile, such as manufacturing methods, industrial chain, supply, and demand of the industry, etc.; selected major upstream manufacturers and analyzed their business.
- Made Excel tables to analyze financial statements, ownership structure, and consumer market size measurement of the three major upstream manufacturers; collected lab-grown diamond industry policy and suggested constructive suggestions.

Project 2: Research on the Soda Ash Industry

- Analyzed the overall industry profile, such as manufacturing method, industrial chain, demand and supply side data, import, and export.
- Selected three listed companies, extracted the key information of annual reports, and demonstrated the fundamentals with Excel; looked through the critical data from main companies in the industry including the profitability, and turnover ratios; made predictions on the profit margins of the company, etc.

PROFESSIONAL SKILLS:

- **Computer:** Microsoft Office, Stata, MATLAB, Wix Web Site Production, Video Clip
- **Language:** Native in Chinese, Fluent in English, Elementary in German
- **Certificate:** CFI Financial Modeling and Valuation Analyst (FMVA)

Kaiyuan Zhao

kz2510@columbia.edu • New York, NY 10025 • [LinkedIn](#)

EDUCATION

Columbia University

Master of Arts, Economics

New York, NY
Anticipated, August 2023 – December 2024

Georgetown University

Relevant Courses: Political Economics, Financial Economics

Washington, DC
August 2022 – May 2023

University of Rochester

Bachelor of Science, Applied Mathematics

Rochester, NY
August 2018 – May 2022

Minor, Economics

Relevant Courses: Micro & Macro, Behavioral Economics, Econometrics, Game Theory, Statistics, Operations

Research, Multivariable Calculus, Probability, Topology, Real Analysis, Linear Algebra, Stochastic Process,

Numerical Analysis, Intro to Programming

University of California, Berkeley

Relevant Course: History of Economic Thought

Berkeley, CA
May 2019 – July 2019

RESEARCH

Machine Learning on Sales Models with Economic Indicators

Researcher

Rochester, NY
July 2021 – May 2022

- Explored machine learning on sales models with economic indicators to study the impact of pandemic on sales patterns and their relationships with other indicators
- Presented preliminary results at the symposium

The Equity Premium Puzzle

Behavioral Economics Project Member

Rochester, NY
November 2020 – December 2020

- In a team of three, analyzed and visualized empirical data
- Investigated the non-participation-bias of the stock market to study the behavior of risk aversion

EXPERIENCE

National Science Foundation (NSF-REU/TRIPODS 2021)

Student Researcher under Professor Alex Iosevich

Rochester, NY
July 2021 – May 2022

- Attended daily lectures and discussions led by faculty about Learning Theory
- Conducted research on Neural Networks as approximators for non-Lipschitz functions
- Co-wrote research paper "Fractal Dimension, Approximation and Data Sets," submitted for publication

University of Rochester

Workshop Instructor

Rochester, NY
January 2020 – May 2020

- Led weekly workshop sessions of CSC161 "Intro to Programming", in-person and later online
- Facilitated discussions among students, resulting in my students performing well in the course overall
- Proctored and graded quizzes

Everbright Securities Co. Ltd

Intern

Beijing, China
July 2019 – August 2019

- Took part in and participated in administrative morning briefings
- Provided customer service via telephone, email, and chat. Resolved technical issues and other concerns
- Researched on portfolio choices of potential customers

LEADERSHIP ACTIVITIES

University of Rochester, Center for Excellence in Teaching and Learning

Peer-Led Team Learning Leader

Rochester, NY
January 2020 – May 2020

- Undertook training to organize group-studies through weekly meetings with faculty and specialists from CETL
- Observed and evaluated other trainees' skills. Reflected on their evaluations and feedback
- Kept weekly journals of my pedagogical improvements

SKILLS

- Proficient Python, R, STATA, LaTeX, MATLAB, and Microsoft Office; Elementary Java and TensorFlow
- Native Mandarin

XIAOYIZHUO ZHAO

E-mail: xz3248@columbia.edu | Tel: 6513951721

EDUCATION

Columbia University	Master of Economics	NY, NY, USA2023.09-2025.05
University of Minnesota, Twin Cities	BS in Economics (Minor : Computer Science)	MN,Minneapolis, USA 2020.02-2023.05

- **Major GPA** : 3.88/4
- **Courses** : Intermediate Microeconomics & Macroeconomics, Econometrics, Theory of Statistics I & II, Calculus I & II, Lin Alg & Diff Eqs, Introduction to Algorithms and Program Development, Algorithms and Data Structure
- **Shandong University of Finance and Economics** Bachelor of Applied Mathematics Jinan, China 2018.09 - 2019.12

INTERN

- | | | |
|---|---|-------------|
| Rizhao Financial Investment Group | <i>Intern Analyst, Investment and Finance</i> | 2019 Summer |
| <ul style="list-style-type: none">• Compared China's clean energy and traditional energy industries by assessing the new energy industry environment, industry policies, competitors, the latest ESG trends, and market demand. Collected and organized data from public channels(Bloomberg, Wind to provide insights on energy transformation.• Responsible for the due diligence of the target company, analyzing the 2015-2018 annual and quarterly financial reports. Analyzed operating income growth rate, profit margin, capital structure, and leverage ratio to complete nine pages report.• Collected local energy market data to formulate demand curves through the population, economic growth rates, and industrial structure upgrades. | | |
| PwC | <i>Audit Intern</i> | 2023 Summer |
| <ul style="list-style-type: none">• Collected and organize data on total assets, deposits, revenue, non-performing ratio, shareholder structure, etc. of agricultural and commercial banks with total assets exceeding 90 billion yuan, and select suitable banks for bidding based on changes in bank audit accounting firm.• Participated in the internal control and compliance department of the audited bank and the planning and finance department's inquiry meeting, raised questions on employee behavior evaluation, employee abnormal behavior reporting, and the feasibility of outsourcing activities.Assist in completing meeting minutes for internal control inquiries.• Participated in the walkthrough test of the audited bank for credit card business loans. | | |
| JPMorgan | <i>Industry Research Intern</i> | 2023.03-05 |
| <ul style="list-style-type: none">• Provide research data on the photovoltaic industry for clients engaged in mergers and acquisitions. Analysis of the overview of the photovoltaic industry: industry policies, main barriers, market space, development prospects, and competitive landscape have been organized.• Compare the value of the company that the customer wants to acquire with other similar companies.Select EV/EBITDA and EV/Sales multiples as valuation analysis multiples, calculate the average of the enterprise value multiples that the company has won in comparable transactions, and ultimately obtain the estimated value of the target company. | | |

PROJECT

- | | | |
|--|--|-------------------|
| Elements of Financial Engineering | <i>Researcher, Summer Research Project</i> | 2022.07 – 2022.09 |
| <ul style="list-style-type: none">• Background: Under Professor Cosimo Arnesano(USC) guidance, Analyzed four stocks to obtain the best diversified holdings and management portfolio.• Screened four individual stocks of XOM, GS, GM and NLFX from various industries; Calculated effective frontier using mean-variance optimization.• Applied the Weighted Moving Average Method and Exponential Smoothing Model to stock returns. Compared in-sample errors and predicted the overall portfolio return.• Grouped the four stocks XOM, GS, GM, and NLFX to examine immediate and long-term correlation structure through the CAPM model and cointegration analysis.• Achievement : Xiaoyizhu Zhao, "Forecasts and Relationships for German and Russian Stock Indices"; Published 2023 in Applied Economics and Policy Studies (AEPS) (Print ISSN 2731-4006) or Advances in Economics Management and Political Sciences (Print ISSN 2754-1169) | | |

SKILL

- **Languages** : English can be used as working language
- **Software:** Master in Microsoft Office, Python, R, Eviews
- **Hobby** : Skydiving; Basketball; Stocks

Fan Zhuo

Tel: +1-3142244495 | Email:fz2375@columbia.edu

EDUCATION BACKGROUND

Columbia University

09/2023-Present

- Master of Economic

Washington University in St. Louis

09/2020-05/2023

- Bachelor of Economics GPA: 3.74/4.0
- Achievements:2021 Fall Dean's List, 2022 Spring Dean's List,2023 Spring Dean's list

SKILLS&CERTIFICATIONS

Economic: Econometrics, Microeconomics, Macroeconomics, Banking and Marketing Design

Math: Matrix Algebra, Calculus, Probability, Data Analysis

Programming: Python, Java, Stata, C++, SQL, Matlab

Languages: English(fluent), Mandarin(mother tongue)

INTERNSHIP

Investment Assistant Intern, Blackstone Group

05/2022-08/2022

- Utilized Wind for data collection; performed industry analysis on New Energy Vehicles (NEV), examining technical, economic, and social factors.
- Differentiated technical barriers and value magnitude between NEV and traditional vehicles; assessed changes in R&D, sales, and after-sales service.
- Identified investment opportunities in electric vehicle batteries, battery management systems, and autopilot; selected top-performing companies, resulting in portfolios with high returns.
- Analyzed NEV market segments, forecasting the 2025 market scale using regression models, emphasizing segments below \$20,000.

Business Analyst Intern,Accenture (Shanghai)

05/2021-08/2021

- Employed Stata and Python Pandas for data processing; conducted expenditure and category analysis, offering actionable product operation suggestions.
- Integrated customer data and business regulations; used K-means Model for customer segmentation based on purchase behavior, formulating targeted marketing strategies.
- Predicted market trends using Neural Network models in Python, achieving 80% accuracy, a 2.5% improvement, aiding sales teams in resource optimization.

Summer Intern, Huaifu Securities

06/2020-07/2020

- Conducted due diligence and industry research; researched financial institutions in China to discover industry trends and help sales team screen for potential clients
- Assisted in conducting analysis of pro forma merger scenarios, leveraged buyouts, public listings and financing alternatives using DCF Model, sum of the parts, public comparables and precedent transactions analysis

RESEARCH EXPERIENCE

Bayesian optimization for congestion pricing problems: A general framework and its instability

Credit Report Evaluation System based on Hybrid Machine Learning

2020

- Collected data from 30 major Chinese financial companies; performed data pre-processing for quantitative credit risk analysis of credit subjects, and input the data into SQL and accomplished several statements
- Mastered multiple probabilistic non-linear regression models and successfully applied logistic regression models to calculate and verify the accuracy and stability of the algorithm
- Awarded a patent certificate for innovation by the Australian government (Patent No. 2019100968)

Jinqiao Zhou

jz3696@columbia.edu | +1 513-237-9212 | NY

Authorized to work in the United States with OPT, STEM Extension;

EDUCATION

Columbia University *Master of Arts in Economics* Sept. 2023 – Dec. 2024

University of Minnesota *Bachelor of Science with Distinction* Sept. 2020 – May 2023

Economics BS & Statistical Science

Dean's List (2020 Fall - 2023 Spring)

EXPERIENCE

Chuko Corp.

May 2021 – May 2023 | Manager of Financial Planning and Analysis

- Assisted in various financial modeling activities, including new market investments and acquisition analysis.

Great Wall Securities

Nov. 2021 – Feb. 2022 | Intern (Remote)

- Composed a report on DocuSign and analyzed emerging companies in the e-signature market in China; researched on Chinese identity management and authentication software market.
- Managed and attended over 50 investor and client calls and contributed to team decision-making by taking detailed notes on discussions.

IPUMS

Sept. 2020 – May 2023 | Research assistant

- Worked as an undergraduate research assistant for three years in IPUMS to harmonize and document the world's largest individual-level population database.

University of Minnesota's Carlson School of Management.

May 2022 – Aug. 2022 | Research assistant

- Worked as a research assistant with Dr. Sandy Yu, Assistant Professor at the University of Minnesota's Carlson School of Management. Used R and other tools to create models for data analysis of the impact of female founders in accelerators.

FELLOWSHIPS

2021 UMN CLA Freshman Research Award

2022 UMN Summer Lynn Lin UG internship

SKILLS & Language

• **Skills:** Stata, MATLAB, Excel, PowerPoint, Python, R-Studio, Wind Database

• **Language:** Chinese, English, Japanese

Zihan Jin

New York, NY 10027 | +1 (647) 923-6868 | zj2375@columbia.edu

EDUCATION

Columbia University

Master of Arts in Economics

Sept. 2023 – Dec. 2024

New York, US

University of Toronto

Bachelor of Science in Statistics and Economics, GPA: 3.75/4.0, Dean's List Scholar

Sept. 2019 – Apr. 2023

Toronto, Canada

- Core Courses: Financial Economics, International Monetary Policy, Stat Machine Learning, Time Series Analysis

Bocconi University

Study Abroad

Sept. 2022 – Jan. 2023

Milan, Italy

PROFESSIONAL EXPERIENCE

CITIC Securities

May 2023 – Aug. 2023

Investment Banking Intern, Energy and New Material Industry Group

Beijing, China

- Assisted in financial and legal due diligence for a State-Owned Enterprise IPO Project, including project compliance verification, labor and employment verification, and in-depth investigation of related parties and affiliations.
- Formulated six case study reports that encompassed analyzing the thermal power industry, high-pollution projects verification, bidding procedures for engineering construction projects, and large fundraising debt repayment.
- Gathered data using Wind terminal, updated roadshow materials, and revised filing documents.

China Securities

Jun. 2022 – Sept. 2022

Investment Banking Intern, Debt Capital Market

Beijing, China

- Participated in due diligence and declaration of credit bonds of five enterprises with a cumulated scale of 500+ billion yuan, including corporate bonds, super & short-term commercial paper, and medium-term note, etc.
- Wrote bond prospectus, including compiling business conditions, calculating financial data indicators, analyzing interest-bearing liabilities, and summarizing statistics on direct and indirect financing.
- Prepared pitch books for the bidding work of two credit bonds.

Zhejiang Geely Holding Group (Fortune 500)

Dec. 2021 – May 2022

Strategy Intern, Digital Technology Sector

Remote

- Researched ESG investing and carbon financial derivatives, focusing on green credits, green bonds, disclosure standards, and digital product applications; wrote 20 weekly reports for the team and the vice president.
- Assisted with Metaverse, NFT, and digital collection industry analysis, identified strategic investors using Geely's Geetaverse platform and prepared financing roadshow.

Bank of Montreal

Mar. 2021 – Jun. 2021

Data Governance Intern

Beijing, China

- Drafted China localized Data Management Guidance and established 86 data fields for data asset governance platform by consolidating 100+ requirements from regulators, vendors, and the headquarter.
- Collaborated with stakeholders to conduct an internal audit, uncovering 1,500+ instances of suspicious data within 32 reports containing 10,000+ data points. Summarized 17 root causes and presented findings to department heads.

Triniti Capital (Venture Capital in Semiconductor Industry)

Jul. 2020 – Oct. 2020

Fundraising and Post-investment Management Intern

Beijing, China

- Calculated net profit, Internal Rate of Return, Distribution to Paid in Capital, book-to-market ratio, and Limited Partners (LPs) share proportion and transferred capital for 30+ invested projects in three funds.
- Investigated potential LPs, including 17 Funds of Funds, 10 private enterprises, and 15 government-guided funds.

RESEARCH PROJECTS

Time Series Analysis of Global Ocean Temperature Based on ASTSA

- Detrended data with HP filter method, confirmed stationary, identified ARIMA model based on ACF, PACF, and EACF analysis, and conducted residual error testing with Ljung-Box method to validate the model.
- Forecasted the rate of decline in sea surface temperature from 2010 to 2019 and studied the data spectrum.

The Influence of County Characteristics on Republican Share in US Election

- Web scraped 3000+ US county-level data using BeautifulSoup, cleaned 20,000+ data with NumPy and Pandas.
- Created 13 graphs via Matplotlib, four interactive maps using Bokeh, performed OLS regression with Statsmodels.
- Summarized findings and produced a 35-page report outlining a Republican campaign's fund allocation strategy.

SKILLS AND LANGUAGES

Software: Microsoft Office, Python, R, STATA

Languages: Mandarin Chinese (native), English (advanced), Spanish (basic)

Linxiu ZOU

21 W End Ave, New York, NY 10023 | 949-508-6302 | lz2783@columbia.edu

EDUCATION

COLUMBIA UNIVERSITY

Master of Arts in Economics, STEM

New York, NY
09/2023- Expected 12/2024

UNIVERSITY OF CALIFORNIA - IRVINE (UCI)

Bachelor of Arts in Economics, Minor in Management

Irvine, CA
09/2019 - 09/2022

- **GPA:** 3.96/4.00
- **Core Courses:** Calculus, Linear Algebra, Applied Econometrics, Corporate Finance, Intermediate Microeconomics & Macroeconomics, Management, Probability and Statistical Economics, Introduction to Sociology, Argument and Research, Introduction to Financial Investment, Principles of Accounting, Experimental Economics
- **Publications:** Shi, B., He, L., Zou L. (2022) "Research on the Convergence of High Quality Urban Development in the Yellow River Basin," The Journal of Humanities
- Yao, R., Cui, X, Zou L. (2022) "Shaanxi Province's Digital Tourism Development Path and Policy Enlightenment," Times of Economy and Trade, DOI:10.19463/J.cnki.sdjrm.2022.06.025

PROFESSIONAL EXPERIENCE

Guotai Junan International

Intern, Corporate Finance

Beijing, China
09/2022 – 01/2023

- Organized and compared the overseas sponsorship of companies ready to go public
- Examined relevant cases and conducted analysis on the content and impact of equity incentives for Hong Kong listed companies
- Studied the SPAC listing rules, revised the format of the London GDR scheme and prepared the presentation for Marina Investment

Shenyang Science and Technology Financing Guarantee Co. Ltd.

Intern, Credit Guarantee Business Department

Liaoning, China
08/2021 - 09/2021

- Assisted in guaranteeing process research; helped promote market and business expansion, connected and collaborated with banks regarding diverse projects; carried out cold calls and pitching
- Conducted due diligence investigations for 15 enterprises and compiled corresponding reports
- Designed guarantee project plans according to different characteristics of the client companies, such as their capital needs, repayment abilities, the credit policy of the bank, the credit amount, approval period, guarantee rate, etc.

Liaoning Province Financing Guaranty Limited Co. Ltd.

Intern, Strategic Operation Department

Liaoning, China
06/2021 - 07/2021

- Contributed business negotiation with the provincial rural credit cooperatives; discussed the cooperative credit line and business coverage with the corresponding specialists
- Writing opening remarks at the launch of the skills training ; utilized Excel to make departmental project tracking sheet;
- Researched the three system reforms of state-owned enterprises by looking into the performance appraisal methods of non-profit organizations; further optimized the task refinement and quantification system

Sinochem Group

Intern, Operation Management Department

Beijing, China
09/2020 - 11/2020

- Collected data on supply, demand, storage, and prices of certain oil products in the industry; conducted competitive product analysis, market analysis, and predictive parsing;
- Wrote macro-data summaries and chemical industry summaries on a weekly basis; collected data and analyzed monthly project progress in different subsidiaries, including functional management, production and operation, project construction, loss governance, and cost reduction
- Analyzed the development and competition pattern of the PE market in China by using the Porter Five Forces Model; generated mind maps and wrote research reports; planned and organized three trade union and party building activities

LEADERSHIP EXPERIENCE

Chinese Scholars in Social Sciences | Principal

09/2020 - 05/2022

- Established and managed a student service group with more than 500 members and 2000 followers; average reading rate for each post has reached 4500 views on a daily basis
- Obtained sponsorship from Tiger Insurance, Light Summer School, etc.; raised 20K+ US dollars as operating funds; explored and tried out diverse business and cooperation models; expanded the student organization

SKILLS & INTERESTS

Languages: Proficient in English listening, speaking, reading, and writing; native speaker of Mandarin

Technical Skills: Microsoft Suite, Python, MATLAB, Adobe Certified Associate; capable of processing correlation and regression analysis, etc.

Interests: Diving (Certified PADI Advanced Open Water Diver)