

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 2022

Dear Employers,

I take great pride in presenting to you our 2023 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](mailto:bsalanie@columbia.edu)

Phone: 212 854 8059

## EDUCATION

### Columbia University

Master's Degree in Economics

New York, the United States

Sept. 2022 – Dec. 2023 (Expected)

### Central University of Finance & Economics (CUFE)

Bachelor's Degree in Economics

Beijing, China

Sept. 2018 - Jun. 2022

- **Major:** International Trade and Economics (International Trade/Financial Risk Management)
- **Cumulative GPA:** 93.48/100.00 (4.0/4.0)
- **Relevant Coursework:** Accounting, Management, Microeconomics, Macroeconomics, Finance, Econometrics, Statistics, Database Principle and Applications, Principle of Marketing, International Business Environment, Calculus, Linear Algebra, Probability and Statistics, International Trade, Import and Export Practice

## WORK EXPERIENCE

### Ginkgo Capital

Assistant Fund Manager Intern

Beijing, China

Mar. 2022 - Apr. 2022

- Assisted with the operation of margin financing
- Gathered data of equity market in preparation for making investment decisions
- Received systematic training in the operation of a fund

### Deloitte Touche Tohmatsu Limited

Management Consulting Intern

Beijing, China

Jan. 2021 - Feb. 2021

- Researched market segmentation of investment project management
- Analyzed differences between independent investment company and subsidiary investment company of a group enterprise, and between investment project management and other kinds of project management.
- Submitted a final report on internship learning experience focusing primarily on the finer points of operation process of investment companies

### Sinovation Ventures (founded by Kai-Fu Lee, the former Global VP of Google)

Investment Department

Beijing, China

May 2020 - Jul. 2020

- Shadowed and assisted fund manager in two investment projects (i.e. MegaRobo and SRT Soft Robot) in the entire process from project approval to final execution of investment decisions
- Conducted internal audit of subsidiary companies of Sinovation Ventures
- Performed financial due diligence on potential targets of investment

## RESEARCH EXPERIENCE

### Contributor to Chapter 5 of Research on “Infrastructure Investment Issues of the ‘One Belt One Road’ Initiative”, a mega research project sponsored by China Ministry of Finance, School of Finance, CUFE

Research Assistant

Sept. 2020 - Sept. 2021

- Merged and analyzed data from multiple sources on economic effects of infrastructure investment on countries along the “One Belt One Road”
- Evaluated effects of infrastructure investment on globalization using both quantitative and qualitative methods

### Research on “Reforming and Improving the Financial Regulatory Framework under Financial Market Development”, sponsored by National Social Science Fund of China, School of Finance, CUFE

Research Assistant

Feb. 2020 - Jun. 2020

- Collected and analyzed data related to financial regulation models, legal systems and GDP of the selected twenty sample countries
- Participated in empirical analysis discussions

## ADDITIONAL INFORMATION

- **Courses completed on Coursera offered by the University of Michigan:** Programming for Everybody (Getting Started with Python), Python Data Structures, Using Python to Access Web Data, Using Databases with Python, Capstone: Retrieving, Processing, and Visualizing Data with Python
- **Winner of First Prize,** Contemporary Undergraduate Mathematical Contest in Modeling, Beijing District (2020), title of the winner paper being “Decision-making Optimization of Credit Strategies for Small and Medium-sized Enterprises: A Simulated Annealing Algorithm Analysis

# Giorgi Bokhua

3151 Broadway, New York, NY 10027 | [Giorgi.Bokhua](mailto:Giorgi.Bokhua) | +1 (332) 2606133 | [gb2798@columbia.edu](mailto:gb2798@columbia.edu)

## EDUCATION

### Columbia University in the City of New York

New York, US

*Master of Arts in Economics*

09/2022-12/2023

- Recipient of merit-based scholarship from the Department of Economics
- Relevant courses: Macroeconomic Analysis (I+II); Microeconomic Analysis (I+II); Econometrics(I+II); Economic Policy Analysis

### University of Mannheim

Mannheim, Germany

*Bachelor of Science in Economics*

09/2018-08/2021

- GPA: 3.7; Recipient of merit-based DAAD Graduation Scholarship
- Bachelor thesis: "Determinants of Economic Growth - The Role of Policies and Institutions"
- Relevant cores: Macroeconomics (A+B); Microeconomics (A+B); Statistics (I+II); Econometrics; Economic Policy
- Relevant electives: International Economics; Growth Economics; Analysis and Linear Algebra B; Financial Econometrics

### Free University of Berlin

Berlin, Germany

*Studienkolleg, Economics Course*

09/2017-06/2018

- Mandatory preparatory course for International Students for economics-related undergraduate programs in Germany.

## RESEARCH AND WORK EXPERIENCE

### KPMG Germany

Berlin, Germany

*Junior Economic Consultant in Global Transfer Pricing Team*

01/2022-07/2022

- Prepared market and competition analyses as well as economic reports on a wide range of transfer pricing issues
- Analyzed the value chains of multinational corporations and supported my team in fiscal implementation of changes in the value chain

### ZEW - Leibniz Centre for European Economic Research in Mannheim

Mannheim, Germany

*Research Assistant the Digital Economy Department*

01/2020-08/2020

- Researched literature i.a. for the project examining effects of hate speech regulation on social media activity of extremists in Germany
- Prepared and analyzed data using the statistical software packages R and Stata, reported and presented research outcomes

### National Bank of Georgia

Tbilisi, Georgia

*Research Assistant the Digital Economy Department*

01/2020-08/2020

- Worked on the research project on household indebtedness in Eastern European countries and presented the results
- Supported the research project on green financing

## TEACHING EXPERIENCE

### Teaching Assistant of the Course Statistics

Mannheim, Germany

*University of Mannheim*

02/2021-06/2021

- Supervised a group work through providing analysis of empirical statistics and probability theory
- Corrected students' exams

### Teaching Assistant of the Course Analysis and Linear Algebra

Mannheim, Germany

*University of Mannheim*

09/2019-12/2019; 09/2020-12/2020

- Led present and online exercise sessions in frontal teaching format for around 50 students
- Facilitated group work by going through problem sheets, which aim to provide freshman students necessary quantitative skills for their further studies of economics
- Prepared exam questions

### Teaching Assistant of the Course Microeconomics

Mannheim, Germany

*University of Mannheim*

02/2020-06/2020

- Conducted present and online exercise sessions for around 35 students in frontal teaching format
- Analyzed problem sheets on the topics such as Consumption Theory, Production Theory and Intertemporal Optimization

## VOLUNTERY WORK

### European Youth Parliament

Mannheim, Germany

*Member of the committee of Public Relations and Communication*

09/2015-12/2018

- Acted as head-organizer of international conference "National Committee Management and Development Training 2018 of European Youth Parliament" and national session "Gori Outreach Weekend 2017 of European Youth Parliament Georgia"
- Represented Georgian delegation in International Session in Brno, Czech Republic
- Chairperson at the international session in Baku, Azerbaijan

## SKILLS & LANGUAGES

**IT Skills:** Microsoft Office; R; Stata; SQL; LaTeX

**Languages:** English (Fluent); German (Fluent); Georgian (Native); Russian (Intermediate)

# Chen Haolan

Address: 204 West 109<sup>th</sup> Street, New York

E-mail: [hc3335@columbia.edu](mailto:hc3335@columbia.edu) ; Tel: +1(929)816-3643

## EDUCATIONAL BACKGROUND

**Columbia University in the city of New York**

**Aug. 2022 - Present**

**Major:** Master of Arts in Economics

**University of Shanghai for Science and Technology (USST)**

**Sept. 2018 – June 2022**

**Major:** International Economics and Trade | **GPA:** 3.88/4.0 (ranking 1 out of 125)

**Awards:** 2020 Winning Prize of Shanghai Open Challenge for Big Data Analysis;

2020 Second Prize of International Economic and Trade Professional Competition;

2019 First Prize of National College Students' Scientific Research English Speech Contest and Academic Vocabulary Contest;

2019 - 2020 USST Outstanding Student & Outstanding League Member;

2018 - 2020 USST First-class Scholarship for Outstanding Learning.

**Relevant coursework:** Mathematical Statistics, Advanced Mathematics, International Finance, Finance Introduction.

**Publications:** H. Chen. Mechanism Analysis of Reducing Technical Barriers to Trade Under RCEP Framework. *Modern Business (the national economic core journal and published at home and abroad)*. ISSN1673-5889 (accepted).

## PROFESSIONAL EXPERIENCE

**Assistant Intern, Harvest Fund, Shanghai, China**

**Feb. 2022- Mar. 2022**

- Assisted in doing the initial launch and continuous marketing of fund products, made net worth curves, and compared with performance benchmarks.
- Made statistics on the holding quantities of different fund products and investigated the net value, the rise and fall since their establishments.
- Monitored the flow of important products every day, and made statistics on the purchase, redemption and net increase of ultra short bonds and stable yield bonds from Harvest Fund.
- Assisted the fund managers in roadshows and helped complete fund operation reports, including performance attribution, operation ideas, market reviews and suggestions to investors.

**Assistant of Overseas Investment Research Team**

**June 2021- Sept. 2021**

**Haitong Securities (Shanghai Headquarters), China**

- Employed Wind and Bloomberg databases to make comparative analysis on net assets and total assets of top 10 securities traders in China and globally well-known investment banks.
- Participated in the contract making of TRS-linked China Corporate USD Bonds of HSBC.
- Used visualized data to analyze FICC business of Morgan Stanley and Goldman Sachs, and compared the results with the situations of fixed income departments of several domestic securities traders.
- Researched on the credit and operational performance of Zhongliang Holdings Group, counted its issued bonds, and helped the investment manager research one of its bonds and complete bond valuations.

**Assistant Intern, Bank of Communications, Shanghai, China**

**Dec. 2020-Feb. 2021**

- Assorted information about change and cancellation of enterprise accounts, and filed them in the archives.
- Learned with experienced investment advisors about financial products of Ward wealth, a customized financial service brand of Bank of Communications, and offered personal financial advice for clients.
- Visited a joint venture enterprise and helped its legal person complete account opening process.
- Assisted in maintaining relationship with VIP guests and holding high-end salon events for them.

## EXTRACURRICULAR ACTIVITIES

**Leader of International Economic and Trade Professional Competition Team**

**Oct.2020 - Present**

- Assisted teachers in organizing students to participate in various international trade competitions held by Shanghai Municipal Education Commission and other units.

**Organizer of the USST Dubbing Competition**

**Aug. 2019**

- Initiated and organized the first dubbing competition for the whole school as a leading member.
- Designed every procedure of the competition, from the competition form, publicity to award ceremonies.

**Volunteer for the USST American Cultural Center**

**June. 2019**

- Arranged students from University of North Dakota to observe school lessons and visit tourist sites.

## OTHER SKILLS & INTERESTS

**Computer skills:** Stata, Matlab, Latex, Microsoft Office, Bloomberg, Python basic application

**Interests:** violin, calligraphy.

# SANYAM GANGWAL

Columbia University | New York, NY 10027 | [sag2266@columbia.edu](mailto:sag2266@columbia.edu) | <https://www.linkedin.com/in/sanyam-gangwal-54208a190/>

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## EDUCATION:

August 2022 - Present	<b>Columbia University, New York</b> <ul style="list-style-type: none"><li>• Masters in Economics</li><li>• Relevant Coursework - Macroeconomic Analysis, Microeconomic Analysis, Econometrics, Mathematical Methods for Economists, Financial Economics</li></ul>
June 2018 - May 2021	<b>St. Xavier's College, Mumbai</b> <ul style="list-style-type: none"><li>• Bachelors of Arts (Economics and Statistics)</li><li>• Relevant Coursework - Microeconomics, Macroeconomics, Econometrics, Organization of Commerce &amp; Industry, Business Accounts and Finance, Management, Statistical Methods</li><li>• CGPA: 9.71 / 10</li></ul>

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## EXPERIENCE:

May 2021 - May 2022	<b>Research Associate</b> , Indian Institute of Management, Bangalore <ul style="list-style-type: none"><li>• <b>Centre for Public Policy</b> – Worked with Mr NS Vishwanathan, the Former Deputy Governor of the Reserve Bank of India on a book analysing the Non-Performing Assets in India. Investigated the history of regulatory standards and legislations on NPAs, analysed the asset quality of sick companies in the stressed Indian banking sector compared to the global scenario and recommended sustainable policy options to ensure financial stability in the country.</li><li>• <b>Centre for Economics and Social Science</b> – Worked directly under the guidance of Prof (Dr.) Rupa Chanda. Assisted the Professor on various projects for the Asian Development Bank, Cambridge University Press and the Government of India. Collated, updated and summarised her extensive work on Health Trade in Services for the Handbook 'Cambridge Elements in International Economics'. Also, examined the demographic complementarities between India and Japan for opportunities and barriers in outsourcing skilled and unskilled Indian workers.</li></ul>
June 2020 - Aug 2020	<b>Research Intern</b> , Centre for Civil Society <ul style="list-style-type: none"><li>• Studied the Agricultural Sector of India, with an emphasis on Biotechnology and Farming legislation. Conducted a perception study on over 50 farmers and documented how the regulatory framework limits the ability of Indian farmers to adapt to dynamic circumstances.</li></ul>
April 2020 - June 2020	<b>Management Consultant Summer Trainee</b> , Aditya Birla Management Corporation Private Limited <ul style="list-style-type: none"><li>• Collaborated with the Start-Up India Initiative of Government of India to conduct comparable company analysis to suggest specific business opportunities in the Cement and Minerals sector.</li><li>• Studied and analysed the impact of the newly implemented Trade Receivables Discounting System as a financing mechanism for giant corporate buyers.</li><li>• Devised COVID response scenarios at innovation cell for group businesses by studying consumer behaviour and industry trends.</li></ul>

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## LEADERSHIP / MANAGEMENT:

2020	<b>Co-Founder</b> , Reciprocate Edu <ul style="list-style-type: none"><li>• Started a not-for-profit initiative to make learning accessible to over 100 underprivileged students by providing them with electronic appliances, books and stationery during COVID.</li></ul>
2019	<b>Organizer</b> , Sales and Marketing, Malhar Fest, St. Xavier's College <ul style="list-style-type: none"><li>• Part of the core leadership group that was responsible for meeting and managing the budget requirements (over ₹3 million) of Malhar, India's second-largest college festival.</li></ul>
2019	<b>Contingent Leader</b> , Vaayu Inter-Collegiate Fest at NMIMS, Mumbai <ul style="list-style-type: none"><li>• Led the college contingent of 100 members at the Vaayu Intercollegiate festival. Responsible for shortlisting the participants for various events, supervising practices and overseeing the administration arrangements on the event days.</li></ul>

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## ADDITIONAL INFORMATION:

<b>Software:</b>	Python, R, Microsoft Office, SQL, Tableau, JabRef and LaTeX
<b>Research Publications:</b>	Wage-surance: Insuring Income Losses; Breaking the Cycles of Recession; The Right to Sow.
<b>Languages Known:</b>	English, Hindi, French and Marathi
<b>Interests:</b>	Athletics (awarded best sportsperson of the school 2017-18), Cricket (Captain of School Team), Football(Captain of School Team), Policy Debates, Drama and Reading Poetry

## Education

- Present**      **Columbia University in the City of New York**  
*MA in Economics | Graduation in December 2023*  
*Upcoming Courses:* Microeconomic Analysis, Macroeconomic Analysis, Econometrics, Math Methods for Economists
- 2018 to 2022**      **University of Toronto (UofT), Trinity College**  
*Honours BA with a Specialist in Economics & Focus in Data Analytics, High Distinction*  
*cGPA: 3.98/4.0* Graduated first in my class, earning the Chancellor's Medal in the Arts at Trinity College; obtained the highest standing among economics students in my year  
*Recent courses:* Economic Applications of Machine Learning (MA/PhD-Level) (92%), Abstract Mathematics (96%), Linear Algebra (99%), Applied Econometrics I (96%), Computer Programming (100%), Labour Economics (96%)

## Selected Experience

- May 2022 to Present**      **Research Assistant**  
*UofT | Department of Economics*  
Assist a team of one political science and two economics professors at the UC San Diego, the University of Toronto, UC Berkeley in their development economics research by conducting their projects' data analysis in STATA
- Sept. 2020 to May 2022**      **Lead (2021) Learning Assistant (2020)**  
*UofT | Department of Economics*  
Hosted biweekly drop-in office hours for first-and-second-year undergraduate students in microeconomics, macroeconomics, and econometrics; trained learning assistants; developed a math aid sheet to assist student learning
- May 2021 to Sept. 2021**      **Econometrics Data Scientist**  
*RBC Royal Bank | Ontology, Data & Analytics, Advanced Analytics*  
Collaborated on an original research project with academic partners and RBC engineers to semi-automatically generate ontologies; developed a series of conceptual proofs for model validation
- May 2020 to Aug. 2020**      **Operations Analyst**  
*RBC Royal Bank | Innovation & Technology (I&T), Strategic Initiatives*  
Designed and built three websites using internal software, HTML, and CSS; supported the development of two new I&T programs; presented directly to the Executive Vice President of Technology & Operations
- May 2019 to Aug. 2019**      **Data Analyst**  
*RBC Royal Bank | Technology & Operations, Strategy & Transformation*  
Analyzed, summarized, and worked with large data using MIS and Tableau; assisted in automating data reporting practices to increase efficiency; greater and maintained 5 internal websites

## Skills & Interests

**Python** (Proficient) **STATA** (Proficient) **Machine Learning** (Intermediate) **R** (Intermediate) **Tableau** (Intermediate) **LaTeX** (Proficient) **MS Office** (Proficient)

Regression analysis, statistical inference, data visualization, and experience with satellite, textual, and web-scraped, and API-gathered data, as well as machine learning methods such as classification, regularization, tree-based methods, sentiment analysis, and neural networks.

**English** (Native Language) **Italian** (Intermediate) **Piano** (18 years of training) **Trombone** (11 years of training) **Guitar** (1 year of training)

# Jessica (Han) Gao

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Tel:347-820-2082   jessica.han.gao@outlook.com   8534 110<sup>th</sup> ST, Richmond Hill, NY, 11418

## **EDUCATION**

**Columbia University, New York, New York** **Aug. 2022 - Present**

MA, Economics

**The New School for Social Research, New York, New York** **Aug. 2021 - May 2022**

Economics Studies

- Selected Courses: Graduate Macroeconomics, Math for Economics, International Finance

**New York Institute of Technology, New York, New York** **May 2018 – Sept. 2016**

MA, Communication Arts

**Sanjiang University, Nanjing, Jiangsu, China** **May 2013 - Sept. 2013**

BA, Japanese Language and Literature

- Selected Courses: Database and Its Application, International Trade Practice, Foreign Business Correspondence

## **EXPERIENCE**

**Account Executive, Newgate Communications, Shanghai/Hong Kong, China** **Jul. 2018 – Dec. 2018**

- Analyzed and monitored media for clients from multiple industries
- Developed strategic marketing plan for the company and managed implementation in mainland China
- Liaised and collaborated with Hong Kong office to manage clients' social media accounts in China
- Coordinated team members' workflows and internal communications
- Arranged and record clients' interviews with top-tier media outlets, clients included: Hillhouse Capital, NIO Capital, Latham & Watkins

**Communications & Operations Intern, Suyo, New York, New York** **Jan. 2018 – April 2018**

- Developed initial research strategies to analyze performances
- Organized and collected data for content across Suyo cloud systems
- Formalized workflows and order fulfillment process
- Collaborated with other members to deliver tasks, ensured adherence to guidelines

**Founder, IVY English Group, Brooklyn, New York** **March 2016 – Jan. 2017**

- Taught ESL to more than 400 Chinese students; created and maintained a 212-member study group
- Focused on accent reduction for professionals, oral English training for international students, daily practical English training for new immigrants.
- Developed online courses and organized offline activities with English-teaching professionals.

## **SKILLS**

- Quantitative & Qualitative Research skills: Statistics, Data Analysis, Data Management, Literature Reviews
- MS Office: Word, PowerPoint, Excel
- Languages: Mandarin (Native), English (Working Proficiency), Japanese (Working Proficiency)



# CINDY KANG

(929) 655-1549 | xk2153@columbia.edu | 323 West 96<sup>th</sup> Street, New York, NY 10025

## EDUCATION

**Columbia University in the City of New York**  
*Master of Arts in Economics*

New York, NY  
Sept. 2022 - Expected Dec. 2023

**The Chinese University of Hong Kong, Shenzhen**

*Bachelor of Business Administration with Honours in Economics, First Class*

Shenzhen, China  
Sept. 2018 - July 2022

- Cumulative GPA: 3.73/4.00. Major GPA: 3.88/4.00
- Dean's List in four consecutive years from 2018. Academic Performance Scholarship for academic year 2020-2021
- Main Coursework: Advanced Microeconomics, Advanced Macroeconomics, Intermediate Econometrics, Game Theory and Business Strategy, Introduction to Computer Science: Programming Methodology (lectured in English)

**University of California, Berkeley**

*Summer School Student*

Berkeley, CA  
July 2019 - Aug. 2019

- General Psychology A+, Politics and Social Change A

## PROFESSIONAL EXPERIENCE

**PricewaterhouseCoopers LLP**

*Audit Intern*

Beijing, China  
June 2021 - July 2021

- Audited the financial statements of Shouyi Medical Health Investment Management Co., Ltd. and its eleven subsidiaries: calculating the accumulated depreciation of constructions, medical equipment, and vehicles using Straight-line Depreciation Method; looking up the expected highest annual yield rate in the bank's financial product brochure and calculating fair value through profit and loss
- Disclosed the group's liquid assets, payroll payable, and tax payable in notes to the financial statement: connecting the corresponding data within the foot notes of subsidiaries using the XLOOKUP function to sum; sorting and totaling journals to calculate the annual accruals of tax payable in 2020 using the SUMIF function in spreadsheet function

**Ford Foundation**

*Program Assistant Intern*

Beijing, China  
Jan. 2021 - Feb. 2021

- Produced slides about Ford Beijing's 2021 Philanthropy Strategy, explaining China's Philanthropy Ecosystem covering the development of China's philanthropy sector in the past decade, the industrial challenges of the sector under the COVID-19 epidemic, and the details of Ford's latest strategy
- Assessed the social impact of grantees' work in the last quarter of 2020 through tracking the WeChat accounts and summarizing qualitative and quantitative indicators to justify donations, in spreadsheets

**The Bank of East Asia, Limited.**

*Intern in Corporate Banking Department*

Beijing, China  
Dec. 2020 - Jan. 2021

- Drew the diagrams of the capital structure of Sinopec Group and AVIC International Holding Corporation using slide tools, including researching clients' component businesses through China Chengxin International Credit Rating's report and businesses for which subsidiaries are responsible through clients' official website, identifying holding relation and ratio, and demonstrating the position of borrowers and a parent company
- Compiled an on-site inspection report of CITIC Wutong Port by categorizing the meeting minutes of CITIC subsidiaries including their corporate background, shareholder structure, group financial status, and referring to information disclosed on CITIC website

**Shenzhen Charity Federation**

*Research Assistant of Shenzhen Corporate Social Responsibility Development Center*

Shenzhen, China  
Jan. 2020 - Mar. 2020

- Categorized data for the chapter of donor-advised funds of Blue Book of Social Impact Finance
- Investigated the modes of social finance initiated by international financial institutions. Translated and analyzed cases concerning areas such as banking, funds, and insurance, and summarized the application of foreign experience in Chinese market. Articles compiled were published on the public account

## RESEARCH

**A Demand System Approach for Asset Pricing**

*Research Assistant, supervised by Prof. Liyu Dou, CUHK-Shenzhen*

Shenzhen, China  
June 2020 - Aug. 2020

- Summarized literature review via presentations introducing the initial settings of the asset pricing model developed from the optimal portfolio choice of investors, illustrating the derivation process of optimal portfolio weights equation which is characteristics-based demand, explaining the econometric identification and estimation for the characteristics-based demand system
- Designed an automobile market model to illustrate the independence of irrelevant alternatives (IIA) problem of the early characteristic based Logit demand system; concluded that the price change of one car has the same impact on the demand of all other cars in the market, and further demonstrated that the IIA problem brings restricted price elasticity

## SKILLS & INTERESTS

- Computer Literacy: Python, STATA, EViews, LaTeX, SPSS, Microsoft Office Suite
- Language Skills: Mandarin (Native), English (Proficient)
- Interests: drawing, piano, swimming, and traveling

# LAURA KIM

340 E 51<sup>st</sup> St, New York, NY 10022

(510) 432-3718 | [lk2908@columbia.edu](mailto:lk2908@columbia.edu)

## EDUCATION

COLUMBIA UNIVERSITY

*Master of Arts - Economics*

New York, NY  
Dec. 2023 (Expected)

UNIVERSITY OF CALIFORNIA, BERKELEY

*HONORS Bachelor of Arts - Double Major Economics & Statistics*

Berkeley, CA

December 2018

- *Academics:* 3.66 GPA

- *Relevant Courses:* Real Analysis, Mathematical Economics, Econometric Analysis, Time Series Analysis, International Economics

## CERTIFICATION

MINISTRY OF FOREIGN AFFAIRS OF THE REPUBLIC OF KOREA

Seoul, South Korea

*Completion of Seoul Academy of International Law (SAIL)*

October 2021

- Participated among 50 selected individuals from 24 APEC countries at the program hosted by the Center for International Law at the Korea National Diplomatic Academy of the Ministry of Foreign Affairs of the Republic of Korea, developing knowledge of international trade, such as national conflict at sea, and international climate law.

## PROFESSIONAL EXPERIENCE

FEDERAL RESERVE BANK OF SAN FRANCISCO

San Francisco, CA

*Data and Policy Analyst at Cash Product Office (CPO) Data and Policy Analysis Team*

June 2019 – July 2021

- Led mathematical optimization and allocation strategy for equitable coin distribution in June 2019 due to the shortage and suspension of the coin supply chain during the COVID-19 pandemic.
- Published the “2020 Diary of Consumer Payment Choice” paper and a supplemental paper looking at changes in consumer behavior due to COVID-19. Conducted statistical analysis using SQL and STATA with a survey of 6270 participants on payment behaviors both prior and during the pandemic.
- Modelled volume patterns for business continuity events, calculating indicators and volatility index to optimize predictability and preparedness during uncertainty or crisis such as a hurricane, a financial crisis, or a pandemic.
- Managed cross-department data cleanup implementation effort, leading cross-function discussions for policy alignment, operational priorities, and automation capabilities, ensuring collaboration and comprehensive impact assessment of implementation both internally and externally.

FEDERAL RESERVE BANK OF SAN FRANCISCO

San Francisco, CA

*Project and Policy Analyst at Cash Product Office (CPO) Policy and Market Strategies Team*

October – April 2018

- Presented at the Cash Conference 2019 using visualizations created on Tableau for Uniform Cash Access Policy.
- Performed statistical analysis and prepared data to understand cash usage trends for the 2016 Diary of Consumer Payment Choice through STATA and R.

FEDERAL RESERVE BANK OF SAN FRANCISCO

San Francisco, CA

*Financial Analyst at Cash Product Office (CPO) Strategy and Operations Finance BIG DATA*

June – August 2017

- Evaluated and strategized use of working capital for Central Bank security costs, collaborating with benchmarks such as BOMA.
- Forecasted budgets and presented variance analysis and KPI reports to CPO business group.
- Spearheaded the SharePoint Portal Project to manage a cost-effective tracking and distribution of Bank property bank wide.

## RESEARCH EXPERIENCE

ECONOMICS DEPARTMENT, UNIVERSITY OF CALIFORNIA, BERKELEY

Berkeley, CA

*Independent Researcher (sponsored by Professor Brad DeLong)*

2017 – 2018

- Tested the consumption model of Akerlof and Kranton’s “Economics of Identity,” whether ethical consumption is motivated by people’s desire for ‘identity’ rather than economic needs.
- Project management of the senior thesis project, proposing, collaborating, time-lining the project with professors, graduate students, Kilts Data center at Chicago Booth, and Label Insight.
- Modelled log-likelihood regressions of ethical consumption in retail industry and evaluate factors that may contribute to altruistic behavior of consumers, specifically that of grocery stores. Factors may include societal pressure, education level, income level, etc.
- Manipulated Nielsen’s Consumer Panel Data of 40,000-60,000 active panelists, 2TB of Scanner Dataset and 400,000 + UPC data from Label Insight through STATA and R.

## SKILLS/INTERESTS

- Technical / Languages: R, STATA, SQL, Tableau, Learning Python, SharePoint, MS Systems, Fluent in English, Native in Korean.
- Interests: Landscape Photography, Golf, Fencing, Playing the flute, Picking out the best croissant in town

# Radhani Jagadish Kumar

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121 La Salle Street, New York, NY 10027 | +1 (640) 213 - 9779 | rj2658@columbia.edu

## Education

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### **M.A. IN ECONOMICS | SEPTEMBER 2022 – DECEMBER 2023 | COLUMBIA UNIVERSITY, NEW YORK CITY**

- Related coursework: Microeconomic Analysis, Macroeconomic Analysis, Econometrics, Mathematical Methods for Economists
- Awarded a full tuition scholarship based on academic merit by the Inlaks Shivdasani Foundation

### **B.SC. (RESEARCH) IN ECONOMICS | JULY 2018 – MAY 2022 | SHIV NADAR UNIVERSITY, DELHI-NCR, INDIA**

- CGPA: 9.71/10.00 (WES Calculated GPA: 4.00/4.00)
- Graduated with the highest distinction and part of the Dean's List for Academic Excellence every semester
- Awarded a full tuition scholarship by academic merit
- Honored with the Best Undergraduate Thesis Award, for study on the effect of the National Rural Employment Guarantee Scheme in India on Crime Against Scheduled Castes

## Work Experience

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### **MARKET RESEARCH INTERN | LA POLO INTERNATIONAL - DELHI, INDIA | MAY – JULY 2021**

- Analyzed the capacity of editorial marketing as an efficient growth strategy for luxury-oriented E-commerce platforms in India, by observing the growth trends of successful platforms like Farfetch
- Studied patterns of association between the sport of polo and luxury brands in the fashion, real estate, automobile and banking industries, to attract investments for Indian polo

### **PROJECT CONSULTANT | OXFORD POLICY ADVISORY GROUP – CHENNAI, INDIA | APRIL – MAY 2021**

- Identified issues of governance in the state of Tamil Nadu, and examined the state's status quo in the sectors of Agriculture and Allied Services, Energy, and Environment and Minerals
- Performed a comparative analysis of Tamil Nadu with countries ranked high on the Human Development Index scale, and made policy recommendations to enable the state to move closer to its sustainable development goals
- Studied reports published by the Comptroller and Auditor General of India, and contributed to a comprehensive governance report made for the Oxford Policy Advisory Group's client, the Dravidian Professionals Forum, an organization led by the Finance Minister of Tamil Nadu

### **INTERN, VIRTUAL REALITY EXPERIENCE | CITIBANK | OCTOBER 2020**

- Performed the ideation and campaign planning of a microloan financial service for the target segment of women in the informal sector of India

### **MARKETING INTERN | JUST KIDDING CO. - SIVAKASI, INDIA | JUNE – JULY 2019**

- Developed promotional content for the marketing campaign of a children's soft skills program

## Volunteer Work

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### **CAMPAIGN PARTICIPANT | ISHA FOUNDATION - COIMBATORE, INDIA | 2016 - 2018**

- Campaigned in Leh, Ladakh for the Rally for Rivers Movement, aimed to save India's rivers
- Contributed to Project Green Hands, a grassroots ecological initiative that aims to increase Tamil Nadu's green cover

## Skills and Certifications

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- Technical Skills: STATA, EViews, Programming - C, Java, R, and Statistical Analysis with Python, MS Office – Word, PowerPoint, Excel
- Online Certifications: R Programming – John Hopkins University (Coursera), Statistics with Python Specialization - University of Michigan (Coursera)
- Languages: English (Proficient), Tamil (Native), Hindi (Basic)

## Yiqun Li

Phone: +1 (646) 994-0952 & Email: yl5125@columbia.edu

### EDUCATION

<b>Columbia University</b> <i>Master of Arts in Economics</i>	Aug. 2022-Dec. 2023 (Expected)
<b>Macau University of Science and Technology</b> <i>Bachelor in Applied Economics;</i>	Sept. 2018–June 2022 <i>GPA(WES): 3.98/4, Major Ranking: 1/742</i>
<b>University of Copenhagen (Exchange Program)</b> <i>Course: Behavioral and Experimental Economics</i>	July 2019–Aug. 2019 <i>GPA: 7/9</i>

### PROFESSIONAL EXPERIENCE

<b>ExxonMobil</b> <i>Project Assistant /Business Department</i>	<b>Huizhou, China</b>	<b>June 2022-July 2022 (40 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ Managed overall relationship between ExxonMobil and Distributors consistent with the Global Project Distributor Framework;</li><li>➤ Ensured that the distributor complies with its contractual obligations, which includes brand, quality, safety and company core principles;</li><li>➤ Managed OPEX within assigned contract;</li><li>➤ Assisted to make the budgets for project Resilience Party, listing and purchasing essential facilities;</li><li>➤ Assisted to schedule Charter Flight of ExxonMobil from Singapore to Guangzhou, China;</li><li>➤ Consulted with Chinese Embassy in Singapore on quarantine policy;</li><li>➤ Participated in the internal training.</li></ul>		
<b>CITIC Securities</b> <i>Project Assistant /Investment Bank Department</i>	<b>Shanghai, China</b>	<b>Dec. 2021-March 2022 (40 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ Assisted in due diligence of equity projects, including IPO, M&amp;A and convertible bond;</li><li>➤ Collected and analyzed enterprise data with Wind database, including ownership structure and financial situation;</li><li>➤ Used R &amp; Wind to conduct industry analysis;</li><li>➤ Participated in writing of prospectuses.</li></ul>		
<b>Sealand Securities</b> <i>Project Assistant /Investment Bank Department</i>	<b>Shanghai, China</b>	<b>June 2021-Aug. 2022 (40 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ Assisted in due diligence of equity projects, including IPO and M&amp;A;</li><li>➤ Collected enterprise data with Wind, including ownership structure and financial situation;</li><li>➤ Used R to process business data of consumer industry, and visualized;</li><li>➤ Analyzed financial information related to companies and industry; Participated in writing of prospectuses;</li><li>➤ Participated in the internal training, learned business ethics and regulation on the securities industry.</li></ul>		
<b>Guangdong Geological Bureau</b> <i>Intern /Accounting Department</i>	<b>Guangzhou, China</b>	<b>June 2020-July 2020 (40 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ Worked on producing, organizing, and sorting all journals daily and monthly;</li><li>➤ Checked bills reported by other departments;</li><li>➤ Assisted government procurement affairs and assisted in producing a quarterly financial statement.</li></ul>		

### WORKING PAPERS

<b>Working Paper 1 (In revision)</b>	<b>Dec. 2020-Present (12 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ <b>A Study on the Contagion Effect and Connectedness between Commodity Market and Stock Market during Covid-19 Pandemic;</b> <i>coauthor, Research Assistant, with <a href="#">Cody Yu-Ling Hsiao</a></i></li><li>➤ The program titled <i>Contagion Mechanism of the 2019-nCoV Epidemic to Global Economy</i></li><li>➤ Responsible for data analysis, software operation with Eviews and Matlab, and writing Empirical Results and Literature Review sections</li></ul>	
<b>Working Paper 2</b>	<b>July. 2021-Present (8 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ <b>Research on the contagion effect, and hedge, diversification, and safe haven property of gambling industry of Macau, based on the DCC-GARCH model; coauthor, team leader</b></li><li>➤ Paper titled <i>Can different sectors of China, US, and Hongkong SAR stock market diversify or hedge the risk of the gambling industry in Macau? An empirical study based on DCC-GARCH.</i></li><li>➤ Data collection with Bloomberg Terminal;</li><li>➤ Software operation with Eviews and STATA.</li></ul>	
<b>Working Paper 3</b>	<b>Sponsored by Macau government Oct. 2021-Present (8 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ <b>Research on the policy contagion effect of Belt and Road Initiative between China and other economies; Author</b></li><li>➤ Paper titled <i>Research on Policy Contagion Effect between China and Other Participant Countries of Belt and Road Initiative, Based on Higher Dimensional Model</i></li><li>➤ This paper is estimated to be published in June 2023</li><li>➤ Data collection with Bloomberg Terminals, software operation with Matlab and Eviews, and paper-writing with LaTeX.</li></ul>	
<b>Working Paper 4</b>	<b>Sponsored by Macau government Dec. 2021-Present (8 hrs/Week)</b>
<ul style="list-style-type: none"><li>➤ <b>Research on the policy contagion effect of Belt and Road Initiative between Chinese and Brazilian companies; Author</b></li><li>➤ Paper titled <i>Research on Policy Contagion Effect between Chinese and Brazilian Companies, under Frame of Belt and Road Initiative</i></li><li>➤ This paper is estimated to be published in June 2023</li><li>➤ Data collection with Bloomberg Terminals, software operation with Matlab and Eviews</li></ul>	

### TECHNICAL SKILLS

- **Programming:** MATLAB, LaTeX, R language, Python, C Language
- **Database:** Bloomberg Terminal, Datastream, Wind, EMED
- **Statistics:** STATA, Eviews

# Gina Nemade

+1 (929) 360-4289 | [gn2344@columbia.edu](mailto:gn2344@columbia.edu) | New York

## EDUCATION

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**Columbia University**, New York.

August 2022 - December 2023 (Expected)

*Masters of Art in Economics*

Fall 2022 Classes: Math Methods for Economists, Macroeconomic Analysis I, Microeconomic Analysis I, Econometrics I

**Shiv Nadar University**, India

July 2018 - May 2022

*Bachelors of Science (Research) Economics, Minors in Mathematics and Management*

- Graduating CGPA: 9.19/10 (4.0 GPA)
- Recipient of full merit scholarship from July 2018 - May 2022
- Dean's List Awardee: Spring Semester of 2021, Fall Semester of 2021
- Relevant Coursework: Advanced Microeconomics, Macroeconomics, Advanced Econometrics, Advanced Statistics, Money & Banking, Optimization, International Economics, Multivariate Calculus

## INTERNSHIP EXPERIENCE

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**Avni Centre for Sustainability**, Nepal

May 2021 – June 2022

*Research Intern*

- Worked with this NGO which helps organize the collective effort of clean-up in the Himalayas in collaboration with the Government of Nepal
- Completed a report analyzing the feasibility of mountain tourism in Nepal for the future generations while understanding the negative and positive externalities produced by this industry

**IIFL Securities**, India

December 2020 – February 2021

*Intern*

- Responsible for the growth of paperless trading accounts with an opportunity to learn the basics of Fundamental and Technical Analysis

## RESEARCH EXPERIENCE

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**Graduating Project (Shiv Nadar University): Impact of Sanitation Schemes on Vulnerable Populations of India**

- Analyzed how the Swachh Bharat Mission impacted households from perceived lower castes in India and assessing its effectiveness in uplifting the sanitation status of individuals from such households using logistic regression and panel data

**The Influence of Social Media on Covid-19 Protective Behavior**

- A survey based paper which used responses to understand variation between different types of social media and how it impacts the protective measures implemented at an individual level through econometric models

**Covid 19: A Paradigm Shift in Consumer Behaviour**

- Examined the change in retail consumer behavior during the Coronavirus pandemic and investigated the reasons behind the shift

**Asian Financial Crisis - Policy Response Analysis of Thailand, Indonesia and South Korea**

- Examined the policy responses undertaken by multilateral institutions as well as governments of countries affected most by the crisis. The paper also analyses the effectiveness of these policies

**Measuring Generational Income Mobility in India for 2011-12: A study in Development Economics**

- Explored the mobility of income between two generations using the India human development survey as data and STATA to create Quah's mobility matrix for 2011-12

## ADDITIONAL INFORMATION

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**The Economics Society, Shiv Nadar University**

*Senior Advisor and Associate Secretary*

- Organized workshops and events for the Economics BSc and MSc. student cohorts
- Worked with various teams within the Society to publish newsletters and articles

**Languages:** English (fluent), Hindi (fluent), Marathi (native), Gujarati (native)

**Technical Skills:** STATA, Python (University of Michigan-Data specialization, Kaggle, geeks4geeks), LaTeX, MS Excel, MS PowerPoint, MS Word

# SHUCUN SI

[s1shucun@gmail.com](mailto:s1shucun@gmail.com) | (858) 4057930

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## EDUCATION

### COLUMBIA UNIVERSITY

M.A., Economics

Columbia University, New York 10027, USA

09/2022 – 12/2023

### UNIVERSITY OF CALIFORNIA SAN DIEGO

B.S., Joint Mathematics & Econ

Minor: Data Science

GPA: 3.74

Honor of Highest Distinction

University of California San Diego, 9500 Gilman Dr, La Jolla, CA 92093, USA

09/2018 – 06/2022

## EXPERIENCE

### University of California San Diego, La Jolla, California, USA

Tutor

01/2022 – 06/2022

- Worked in a data structure / algorithms course using java
- Held office hours weekly
- Graded homework and exams

### Economics Institute, Henan Academy of Social Science, Zhengzhou, China

Research Assistant

07/2021 – 09/2021

- Collaborated on and co-authored a 20-page research paper with a team of three researchers, evaluating the carbon emission reduction effect of technological innovation in the transportation industry in China
- Proofread and edited the paper, verified the results, and translated the paper into academic English
- Paper is published in *Atmosphere*

### University of California San Diego, La Jolla, California, USA

Undergraduate Instruction Apprentice / Teaching Assistant

03/2021 – 06/2021

- Worked in an upper microeconomics course
- Held office hours weekly
- Graded homework and exams
- Answered students' questions via emails

### University of California San Diego, La Jolla, California, USA

Senior Essay Seminar Independent Researcher

09/2020 – 03/2021

- Conducted independent research under the supervision of faculty member Julie Cullen
- Wrote an 18-page paper that adopted fixed effects regression as the main research model and analyzed the relationship between the tuition of a university and the percentage of students taking remote instruction courses in the university

## RESEARCH PAPERS / PUBLICATIONS

- Shi, Tao, **Shucun Si**, Jian Chan, and Lingling Zhou. 2021. "The Carbon Emission Reduction Effect of Technological Innovation on the Transportation Industry and Its Spatial Heterogeneity: Evidence from China" *Atmosphere* 12, no. 9: 1169. <https://doi.org/10.3390/atmos12091169>
- "How does Remote Instruction Affect the Tuition of an Institution?" Senior Essay Seminar Research Paper

## SKILLS

- Familiar with econometric techniques such as fixed effects regressions and instrumental variable regressions
- Proficient in Programming and data processing with Python, Java, R, SQL, MATLAB, STATA, etc.
- Familiar with MS office software
- Native level in Chinese language
- Fluent in English



# DANNING SUN

+1 7654095448 | sdn0127@163.com

501 West 113th Street Apt # 0304, New York, NY 10025

## EDUCATION

**Columbia University**

*Master of Arts in Economics*

**New York, NY**

Aug. 2022 - Dec. 2023

**Purdue University**

*Bachelor of Arts in Economics*

GPA: 3.97/4.0

Minor in Political Science, Law and Society

**West Lafayette, IN**

Aug. 2020 - May. 2022

**China Agricultural University-University of Colorado Denver (2+2)**

*Bachelor of Arts in Economics*

GPA: 3.89/4.00

**Beijing, China**

Sept. 2018 - Jun. 2022

## INTERNSHIPS

**Nanjing Securities Co., Ltd**

*Project Assistant at the Investment Banking Department*

**Nanjing, China**

Jun. 2021 - Jul. 2021

- Assisted the manager with pre-IPO preparation of Nanjing Medlander Medical Technology Co., Ltd., including voucher check and disclosures of information, such as from the management team, clients, suppliers, and bank confirmations
- Collaborated with colleagues and promoted the company to go public successfully

**China News Service – Economic View**

*Intern Journalist at the Original Center*

**Beijing, China**

May. 2021 - Jun. 2021

- Conducted numerous literature searching, topic selection, and quantitative analysis with other journalists
- Produced news releases, particularly in the economic field, which discussed hot issues such as cost of online ordering food, financial problems of big companies, and investment analysis of listed companies, among which one news had hit the headlines in the most popular social media in China, Weibo

**Bank of Communications Limited**

*Manager Assistant*

**Nanjing, China**

Jul. 2019 - Aug. 2019

- Mastered comprehensive knowledge and skills in ETC services and assisted the manager with administrative work
- Supported the marketing work of credit card registration in the shopping mall stationary point

## RESEARCH

**The Effects of Brand Experience on Brand Loyalty in Luckin Coffee under O2O**

Fall. 2019 - Summer. 2020

*Supervised by Professor Weizhe Feng from China Agricultural University*

- Determined the research topic and brand to study after literature review and built theoretical models
- Designed questionnaires and distributed them to 307 participants
- Examined theoretical models by analyzing collected questionnaire data using SPSS
- Summarized the results, provided constructive feedback to Luckin Coffee, and earned a high score from the instructor

## EXTRACURRICULAR ACTIVITIES

**International College Beijing Youth League Committee at China Agricultural University**

*Secretary of Economics Class 185*

**Beijing, China**

Sep. 2018 - Sep. 2021

- Coordinated between the league committee and the class to improve students' engagement in the community
- Planned and organized multiple League Day events and led the class to earn the honor "Advanced League Branch"

**Journalist Group at China Agricultural University**

*Intern Journalist at the Text Department*

**Beijing, China**

Sep. 2018 - Sep. 2019

- Assisted with interviews and text work and published interview reports on the university website
- Joined topic teams to conduct investigation and research on specific topics and published our findings on the WeChat official account

## HONOR & AWARDS

**Excellent Student Scholarship** awarded by China Agricultural University

Dec. 2019 and Dec. 2020

**First-class Scholarship** for Academic Excellence awarded by China Agricultural University

Dec. 2019 and Dec. 2020

**Merit Student** awarded by China Agricultural University

Dec. 2019 and Dec. 2020

## TECHINICAL SKILLS

- Language: Chinese (Native), English (Fluent)
- Skills: MS Office Suite, SPSS, AMOS, STATA

# Devan Thakur

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**Phone:** +1 (858) 248-9432

**Email:** [dvnthkr@gmail.com](mailto:dvnthkr@gmail.com)

**Address:** New York City, New York

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## EDUCATION

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**Columbia University in the City of New York**

August 2022 - Present

*Masters of Arts in Economics*

**The University of Texas at Austin, Austin, TX**

August 2017 - December 2021

*Bachelor of Science in Mathematics*

- GPA: 3.7
- University Honors
- Minor in Economics and Certificate in Elements of Computer Programming

Relevant Coursework: Probability, Applied Statistics, Algorithms and Data Structures, Data Mining, Econometrics

## EXPERIENCE

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**Intensity LLC, San Diego, CA**

Summers of 2020 and 2021

Research Assistant

- Researched the market on tobacco and nicotine products for *RJ Reynolds v Altria*
- Contributed to the damages expert reports by Nisha Mody, PhD Economist and Ryan Sullivan, PhD Economist

**University of Southern California - Alzheimer's Therapeutic Research Institute, San Diego, CA**

Summers of 2017, 2018, & 2019

*Programmer Analyst I*

- Extensively documented the Python code for large Alzheimer Phase 3 clinical trial studies
- Coded Python in a Django package to create a website

## ACTIVITIES

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**Texas Electronic Music Club, Austin, TX**

August 2017 - December 2021

*President*

- Coordinate with the club officers to manage projects, budgets, social events, logistics, and recruitment
- In October 2020, led UT Austin team in competition at the largest college virtual music festival ever

## SKILLS

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- Conversational in Spanish
- Knowledgeable about Python, R, Stata, SQL, Java, Microsoft Word, and Excel



## **Ignacio A. Ugalde**

Tel: +44 (0) 74444 16006

[ignacioagustinugalde@gmail.com](mailto:ignacioagustinugalde@gmail.com)

### **Education**

M.A. in Financial Economics, University of St Andrews, Scotland.

First-Class Honours, 3.93 GPA, 2018-2022.

International Baccalaureate Diploma Programme, 40 points, 2016-2017.

Cambridge International Certificate in Education (ICE), Distinction, 2012-2015.

Islands International School, Buenos Aires Argentina.

### **Research**

Undergraduate Dissertation in Economics, School of Economics and Finance, University of St Andrews.

Title: "Who Benefits from Corruption?"

Supervisor: Dr. Luc Bridet.

Link: [https://www.dropbox.com/s/8l1td6v1095yetp/Dissertation\\_Final\\_02.pdf?dl=0](https://www.dropbox.com/s/8l1td6v1095yetp/Dissertation_Final_02.pdf?dl=0)

I investigated the implications of corruption for efficiency and distribution by conducting two extensions of the Acemoglu and Verdier (2000 AER) paper "The Choice between Market Failures and Corruption".

Research Assistantship with Dr. Antonella Bancalari, Assistant Professor at the School of Economics and Finance, University of St Andrews.

Project: "Simulations and Code Testing for a Revision to the Paper Resource Windfalls and Local Labour Markets: Evidence from Peru".

Co-authored with Juan Pablo Rud, Royal Holloway London, 2021-2022.

Research Assistantship with Dr. Tugce Cuhadaroglu and Dr. Margherita Negri, Lecturers at the School of Economics and Finance, University of St Andrews.

Project: "How Do Students View their Field of Studies?" 2019-2020.

### **Honours and Awards**

Principal's Scholarship for Academic Excellence, 2022. Presented to each of the top 50 academically performing students in their final year of study at the University of St Andrews.

Zawadzki Price in Financial Economics, University of St Andrews. Awarded to the best student in Financial Economic Theory, 2022.

Dean's List of Academic Excellence, University of St Andrews, 2018-2019, 2019-2020, 2020-2021, 2021-2022.

Grade among top 10 in Argentina and Uruguay for the International Baccalaureate Diploma Programme (40 points), certified by the Asociación de Colegios del Bachillerato Internacional del Río de la Plata (ACBIRP) at the Universidad Torcuato Di Tella, 2016-2017.

### **Leadership**

Financial Economics Class Representative, School of Economics and Finance, University of St Andrews, 2019-2020, 2020-2021, 2021-2022.

Associate Student Ambassador, University of St Andrews, 2020-2021, 2021-2022.

Undergraduate Mentoring Scheme, School of Economics and Finance, University of St Andrews, 2020-2021, 2021-2022.

Vice President of Costs and Management, International Space Settlement Design Competition, Kennedy Space Center, United States of America, 2015-2016.

### **Volunteering and Work Experience**

Deputy Editor of the Money Section, The Saint, 2019-2020, 2020-2021, 2021-2022.

Treasurer of the Global Investment Group. Executive Committee 2021-2022.

Secretary of the United Nations Association, St Andrews. Registered Charity affiliated with the United Nations House Scotland. Executive Committee, 2021-2022.

Deputy Head of Corporate Relations, St Andrews Investment Society, 2020-2021.

Secretary of The Gay Saint. University of St Andrews Saints LGBT+ Subcommittee, 2019-2020

Technology, Media and Telecommunications analyst, St Andrews Investment Society, 2019-2020.

Analyst for Costs and Management and Vice President for Costs and Management. Desafio Espacial Latinoamericano and International Space Settlement Design Competition. Kennedy Space Center, United States of America, 2014-2015, 2015-2016.

### **Languages**

Spanish (Native), English (C2), Italian (C1), and French (B1).

## Academics

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

September 2022-Present

**Fordham University**, New York, NY  
Bachelor of Arts in Economics

August 2019-May 2021

Cumulative GPA: 3.967/4.0 | Departmental GPA :4.0/4.0

## Awards & Honors

- Summa Cum Laude Honors (2021)
- Dean's List (2019-2021)
- Phi Beta Kappa Honors Society (2021)
- Phi Kappa Phi Academic Honor Society (2020)
- Omicron Delta Epsilon International Honor Society for Economics (2020)

## Skills

- Technical Skills: Microsoft Office suite, Python, STATA, ArcGIS, Power BI, LaTeX
- Language: English (fluent), Mandarin (native), Cantonese (intermediate)

## Related Experience

**Fordham University | Research Assistant, Mentor: Professor Meiping Sun | New York, NY | May 2020-Present**  
**Working Paper:**

- *"The Impacts of the National Medical Residency Training System on Labor Supply of Young Physicians"*

**Work in Progress:**

- *"Factors Influencing Riders' Willingness to Use and Reuse Prepaid Reloadable Transit Cards: Evidence from New York City"*
  - Used DID model to examine the causal effects of refill options versus surcharge fees on riders' transit card purchase and use patterns.
  - Estimated aggregate and disaggregate DID, ran validation tests, and visualized data with STATA, ArcGIS, and LaTeX.
- *"Sustainability and Transportation: Creating Equity in Social Landscape"*
  - Explored the impact of the public transportation system in New York City and Detroit City on the vulnerable groups' transportation modes in the city.
  - Regrouped the database into targeted variables with Stata and applied ArcGIS to generate maps depicting five combinations of variables within the two cities.
  - Presented a research talk at the Fordham Social Innovation Research Symposium.

**"Zelda's effect on Gene Expression in the Early Development of Drosophila Embryo" | Advisor: Professor Christine Rushlow (NYU) | New York, NY | June 2021-August 2021**

- Applied Zelda-binding patterns and JASPAR analysis results to summarize the effects of zinc-finger protein Zelda on Class I & II genes and explored Zelda coordinates' influence with other transcription factors on gene expression.
- Composed a comprehensive research report summarizing analytics, methodology, and key findings, which was accepted by the BEBI 2021 conference and will be published on ACM ICPS (ACM International Conference Proceeding Series) (ISBN: 978-1-4503 -9549-6).

**Strategic Consulting, Boston Consulting Group | Part-time Assistant for Marketing Manager | Shanghai, China | August 2020-October 2020**

- Engaged in a new product launch strategic planning project for a healthcare company client.
- Exploited the growth theory and econometric methods to explain and verify the positive correlation between government supervision, favorable policy support, and industry development.
- Used Delphi Method to predict product development trends.
- Prepared presentation decks summarizing the study methodology and key findings of industry analysis.

**Research Institute, Haitong Securities Co., Ltd. | Industry Analyst Intern | Shanghai, China | June 2020-July 2020**

- Completed an independent study on the global healthcare industry; key accomplishments included:
  - Reviewed the historical financial data of multiple world's leading global healthcare companies, and extracted and consolidated key performance indicators for analysis.
  - Proposed investment strategies by comparing financial status, technology advancement, and worldwide service distribution to public healthcare enterprises.
  - Identified an array of core competencies for local healthcare enterprises to thrive in the modern market.

## Extracurricular Experience

**Chunhui Children's Foundation | Coordinator & Volunteer | Shanghai, China | 2019-Present**

- Organized fund-raising events, with duties including translation, reception, and on-site coordination.
- Designed activities and lectures for the special needs children in Chunhui Care Home, including mathematics, hand-working, and sports.

# Catherine Wu

catw2188@gmail.com | (858)-205-7682

## EDUCATION

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### Harvard University

2014 - 2018

B.A. GPA: 3.82/4.00; Applied Math-Neuroscience, minor in Mind, Brain, Behavior (MBB); Courses: Signal Processing, Machine Learning, Data Analysis, Innovator's Practice, Science of Behavioral Change, Negotiation, Functional Programming

## EXPERIENCE

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### Shopify, Data Platform, Product Manager

April 2020 - June 2022

- Championed a pilot to analyze adoption of two open-source BI tools, recruited data scientists to be beta users, monitored usage and usability, worked with engineers to investigate maintenance requirements, developed acceptance criteria
- Improved trust in data repository by implementing an automatic, usage-based archival feature to remove outdated reports

### *Apprentice Product Manager*

- Built the strategy to increase data-informed decision-making across the company, prioritized the roadmap based on strategy, user feedback and quick wins, created north star metrics for two internal discovery products and built KPI dashboards
- Developed and analyzed a survey on data usage, identified issues with trust and understanding among non-technical users
- Increased active users on the home page by 30% with further iteration planned based on existing user habits
- Worked closely with UX designer and engineering teams to prototype and test new experiences with users, led research interviews and focus groups to understand observed behaviors
- Influenced team to adopt agile practices including sprint planning and technical design reviews, led retrospectives

### Mastercard, Data & Services, Product Manager - Technical II

August 2018 - April 2020

- Built new diagnostic tool that sped up model iteration process significantly, coordinated with other engineering teams to adapt existing analytical techniques while maintaining consistency of results
- Investigated analytical techniques to diagnose forecast models and identify dataset shift among historical records
- Mentored 3 new APMs on projects from research to execution
- Led regular syncs with power users, coordinating across multiple time zones, and cross-validated common use cases

### *Product Manager - Technical I (formerly Associate Product Manager at APT)*

- Managed the roadmap of a forecast-building SaaS, wrote requirements and designed mockups for new features, began feature usage tracking for the product to identify use cases and user needs
- Collaborated with consulting and sales teams to identify gaps in the product, helped design product strategy in market test

### Susquehanna International Group (SIG), Quantitative Trading Intern

May 2017 – August 2017

- Developed a momentum strategy to predict treasury bond pricing, using Python and Excel VBA
- Built a program to scrape upcoming treasury auction data for G8 economies into a calendar and standardize pricing reports

### Qualcomm, Software Engineering Intern

May 2015 – August 2015

- Worked on team for android testing development and automation, learned project management skills such as Scrum, Agile
- Helped develop software launched in testing automation labs and wrote XML, Python scripts for testing automation

## ACTIVITIES

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### Harvard Association for US-China Relations (HAUSCR)

August 2014 – August 2017

- *President (2017)*: led a 501c3 non-profit that organized 3 conferences promoting liberal arts education and social impact in Chinese high school students; shaped associate and executive board leadership and professional development
- *HSYLC Director (2016)*: directed a 400-student program with a \$700,000 budget in China to foster leadership and entrepreneurship, led a team of Chinese and American staff and volunteers, managed internal conflicts and handled crises

### Summer Program for Applied Rationality and Cognition (SPARC)

August 2016 – Present

- Designed admission process to select top 30 students based on analytical and technical abilities from 300 applicants
- Facilitated discussion among talented high school students and instructors to apply quantitative thinking to real world issues

### USA Biology Olympiad (USABO) Teaching Assistant

June 2016, June 2017, June 2018

- Trained the top 20 high school biology students in the nation and taught critical thinking in biology research and analysis
- Wrote practical exams in topics including anatomy, ecology and molecular biology, in order to test data analysis skills and experimental laboratory techniques to select the International Biology Olympiad US Teams

## SKILLS and INTERESTS

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**Computer Science** – Proficient in Python, HTML/CSS, React, basic in Matlab, Java, Microsoft VBA; **Languages** – heritage speaker in Mandarin, 5 years of French, 2 years of Japanese; **Interests** – puzzle hunts, crosswords, collecting playing cards

# Yihuang Wu

yw3763@columbia.edu | +1 507-322-8035

## EDUCATION

### Columbia University

*Master of Arts in Economics*

**Sept. 2021 – Dec. 2022**

New York City, New York

- Relevant Coursework: Econometrics I & II, Financial Economics, Macroeconomics I & II, Microeconomics I & II

### Carleton College

*Bachelor of Arts in Statistics and Economics*

**Sept. 2016 – Jun. 2020**

Northfield, Minnesota

- Cumulative GPA: 3.82 | Honors: Cum Laude, Annual Dean's List 2017 – 2019
- Relevant Coursework: Advanced Statistical Modeling, Bayesian Statistics, Statistical Computing

### Aquincum Institute of Technology

*Off-Campus Study Program in Computer Science*

**Sept. 2018 – Dec. 2018**

Budapest, Hungary

## PROFESSIONAL EXPERIENCE

### Shenwan Hongyuan Securities

*Equity Research Intern*

**Jun. 2021 – Oct. 2021**

Shanghai, China

- Performed time series analysis to forecast revenue of aerospace and defense companies, using military spending, GDP, advance payment, and/or related party transactions as regressors
- Fitted a mixed effects model to estimate profit margin of different types of defense contracts, using U.S. government spending data and firm-level fundamentals
- Created a database of military aircraft and naval ships to predict future demand of China's defense industry
- Built financial models for 4 companies and used multiples and the FCFF model to obtain stock valuations
- Collaborated in a team of three to produce 5 research reports and 30 roadshow presentation slides

### Anbound Consulting

*Research Assistant*

**Feb. 2021 – May 2021**

Beijing, China

- Monitored trends, policies, and data of automotive, mining, steel, and healthcare industries
- Derived carbon intensity reduction target as a function of GDP growth to inform policy-making
- Compiled a 113-page report on China's existing free-trade zones to assist a local government in regional planning

### Bank of China

*Analyst Intern*

**Sept. 2020 – Nov. 2020**

Nanjing, China

- Processed corporate clients' transaction data to identify potential depositors
- Aggregated loan data to calculate the increase in delinquency rate after the COVID-19 pandemic
- Created reports to gauge the effect of government policies that support post-COVID economic recovery

## RESEARCH PROJECTS

### Finding Alpha in Earnings Surprise

*Financial Economics Class Project*

**Jan. 2022 – Apr. 2022**

Columbia University

- Developed a long-short strategy by sorting stocks on the average of time-discounted earnings surprise, which generated a significant alpha of 1.26% monthly based on the Carhart four factor model
- Used SAS to retrieve, merge, and manipulate data from the WRDS database for backtesting

### Post-Privatization Performance of Chinese State-Owned Enterprises

*Senior Thesis in Economics*

**Sept. 2019 – Mar. 2020**

Carleton College

- Fitted fixed effects models in R to estimate the effect of private ownership on net profit margin, return on assets, and asset turnover for more than 330,000 industrial firms
- Transformed raw data into control variables that measure soft-budget constraints and market competition

## ACTIVITIES

**Carleton Orchestra, Second Violin**

**Sept. 2016 – Jun. 2019**

**Professional Association of Diving Instructors, Advanced Open Water Diver**

**Nov. 2018**

## SKILLS

**Programming:** Python, Java, R, MATLAB, SAS, SQL, Kotlin

**Software:** Stata, LaTeX

**Language:** Chinese (native), English (fluent)

# Xinchen YU

801 Amsterdam Avenue, New York, NY 10025, USA | +86 15251891980 | [xy2547@columbia.edu](mailto:xy2547@columbia.edu)

## EDUCATION

### Columbia University in the City of New York

Master of Arts in Economics

New York, USA

Sept. 2022 - May. 2024

### Waseda University

Bachelor of Arts in Economics

Tokyo, Japan

Oct. 2018 - Jul. 2022

- GPA: 3.98/4.0

- Honors/ Awards: Okuma Memorial Scholarship (2019-2021), Dean's Scholars Award (2019-2020), Asian Future Leadership Scholarship (2020), Waiver Scholarship for Privately Financed International Students (2019-2020)

- Core Coursework: Microeconomics, Macroeconomics, Data Analysis, Financial Mathematics, Behavioral Economics

### Bai Xian Asia Institute

Hong Kong

Asian Future Leaders Scholarship Program - BXAI Summer Session

Aug. 2021

- Core Coursework: Leadership, Dialogue with Social Entrepreneurs, Strategies for Uncertain Times

### University of California, Los Angeles

Los Angeles, United States

Summer Session at Anderson Graduate School of Management

Aug. - Sept. 2019

- Core Coursework: Entrepreneur and New Product Development, Business Interpersonal Communication

## INTERNSHIP EXPERIENCE

### Deloitte

Beijing, China

Project Intern, Enterprise Technology & Performance, SAP Service Line

Nov. 2020 - Jun. 2021

- Participated in consulting projects for world-leading clients including Lenovo, Huawei, ByteDance, and TCL, contributed in full life-cycle client engagements by leading strategic initiatives and implementing strategic recommendations
- Gathered, validated and analyzed critical data of target company's M&A deals, facilitated in-depth industry research and company level financial analysis, constructed the framework and insights of global development process of client company
- Utilized models and methods such as SWOT Analysis, PEST Analysis, Value Chain Analysis to identify potential investment opportunities and risk points to uncover insights for client company
- Leveraged on studying experience in Japan and in-depth understanding of Japanese culture, created easy-to-understand and impactful slides, delivered a presentation about Japanese business cultures to promote the cooperation between the case team and the Japanese companies

### BOC International

Shanghai, China

Off-cycle Intern, Investment Banking Department

Mar. - Oct. 2020

- Engaged in IPO projects, convertible debts project and refinancing project by assisting in desk research, business interview, financial analysis, and other related work
- Developed 10-page prospectus for projects including history of issuers, comparative analysis of purchase modes and sale modes of comparable companies
- Performed due diligence and field research for target companies including company background, ownership structure, shareholders' background, and lawsuit situation, offering 5+ due diligence reports
- Created and presented pitch books by conducting in-depth research of the investment banking business needs of listed companies, provided scheme design and recommendation services to client companies

### Tiger Capital Management

Beijing, China

Summer Intern, Investment Research Department

Jul. - Aug. 2019

- Drafted research report on education industry and cultural industry by analyzing technology development, policy implementation, social changes and other internal and external driving factors of industry supply and demand
- Constructed research report on the state-owned education company by investigating and evaluating the company's core competitiveness, growth point of performance, financial status, and risk control ability

## RESEARCH EXPERIENCE

### Quantitative Study on the Impact of Covid-19 on Chinese Enterprises' Cash Flow

Tokyo, Japan

Independent Researcher

Sept. 2021 - Jan. 2022

- Analyzed the influence of the outbreak of major diseases and Covid-19 on the action of enterprises in China, summarized the time trend of cash flows of listed companies and distributions of cash flows across industries from 2005 to 2020
- Evaluated coefficient effect of Covid-19 on cash flows based on multiple linear regression model using OLS (under the control of company characteristics and industry characteristics)

### Natural Disasters and Recovery Lending: The Role of Regional Banks

Tokyo, Japan

Research Assistant of Prof. Giang Nguyen

Aug. 2021 - Apr. 2022

- Employed data mining techniques to collect data through databases such as Factiva, Compustat, Wind, gathered text information of reaction programs of Japanese governments to flood damage to support the research on climate finance
- Utilized SAS/Stata and processed 10,000+ of data by performing data analyzing and data cleaning, clarifying, transforming and reorganizing data to desired data frames

## EXTRA-CURRICULAR ACTIVITIES

### Tokyo 2020 Olympics

Tokyo, Japan

Technical Supporter, Olympic Broadcasting Services

Jul. - Aug. 2021

- Cooperated with 10+ team members from diverse cultural backgrounds
- Monitored real-time broadcasting, helped solve emergency problem for CMG (China Media Group)

## SKILLS & INTERESTS

- **Languages:** Native in Mandarin, Fluent in English and Japanese
- **Computer Skills:** Microsoft Office Suite, R, Python, SQL, Perl, Wind, Bloomberg, Adobe Premiere, Final Cut Pro
- **Interests:** Piano, Calligraphy, Photography, Unicycle Riding, Vlog

# YINUO ZHANG

Tel: +1 (929) 604-5431 | Email: [yz4297@columbia.edu](mailto:yz4297@columbia.edu)

## EDUCATION

<b>Columbia University</b> , New York, US <i>Master of Arts in Economics (expected)</i>	09/2022-12/2023
<b>University of Oxford</b> , Oxford, UK <i>Visiting Student Program--Economics</i> <b>Grade:</b> First Class <b>Relevant Coursework:</b> Money and Banking, Microeconomics, Game theory, Econometrics	10/2021-06/2022
<b>University of Chinese Academy of Social Sciences</b> , Beijing, China <i>Bachelor of Economics</i> <b>GPA:</b> 3.8/4 <b>Relevant Coursework:</b> Mathematical Modeling, Financial Engineering, Programming with Python, Financial Accounting <b>Honors:</b> Beijing Undergraduate Extracurricular Academic Competition 1st place (0.5%), Scholarship for Outstanding Talents (1%), First-Class scholarship (5%)	09/2018-06/2022

## RESEARCH EXPERIENCE

<b>Business, Finance and Management Programme, University of Oxford</b> <i>Student Representative   Supervisor: Prof. Geoffrey Goodell, University of Oxford</i> <ul style="list-style-type: none"><li>Conducted research on predicting the development of both China and the UK's financial markets in five years after the COVID-19 based on crisis navigation model and completed the final report</li><li>Organized a seminar on "A Proposal for Central Bank Digital Currency" and delivered a presentation</li></ul>	07/2020-08/2020
<b>Advanced Python for Finance</b> <i>Team Leader   Supervisor: Adjunct Associate Prof. Ken Gleason, Columbia University</i> <ul style="list-style-type: none"><li>Obtained training in using Python's financial interface to gather stock data; using pandas, NumPy, and other libraries to conduct quantitative analysis on stocks and portfolios and achieving interactive data visualizations</li><li>Analyzed the impact of COVID-19 on stocks in most affected industries using the CAPM model, ARs and CARs</li><li>Simulated stock portfolios by generating random weights for the stocks and constructed the efficient frontier</li></ul>	05/2020-07/2020
<b>Study on the Causes and Countermeasures of Financing Difficulties of SMEs</b> <ul style="list-style-type: none"><li>Collected stock data (30000+ items) of the SMEs from Wind, cleaned the data through Python</li><li>Classified and summarized the credit ratings of enterprises and government subsidies in various industries; Performed descriptive statistics and visualized the results; Performed Pearson test for correlation analysis</li><li>Established the OLS multivariate linear model and quantile regression model through Stata to investigate the influence of various variables on corporate finance.</li></ul>	01/2020-12/2020
<b>Forecast on Iron Ore Futures Price Linked with Day-of-The-Week Effect</b> <i>Lead author   IEEE CPS (Conference Publication Series)</i> <ul style="list-style-type: none"><li>Obtained 500 days' high-frequency iron ore futures trading data (5min) using Wind database, and used Stata for data processing, descriptive statistics, and variable construction</li><li>Developed HAR-RV model to forecast the realized volatility (R.V.) of iron ore futures, added the Day-of-the-week effect to form the HAR-RV-W model to revise and improve the original model</li><li>Combined the regression results to conclude the R.V.s of each period of iron ore futures and the impact of the Day-of-the-week effect on future futures price volatility</li></ul>	08/2020-04/2021

## WORK EXPERIENCE

<b>Team Leader, PwC's You Plus Anchor Program</b> <i>--Best Team Award in Business Analysis</i> <ul style="list-style-type: none"><li>Developed marketing strategies, procurement and financing plans for the store manager of HEYTEA</li><li>Led a financial report analysis and operating performance presentation for the shop after one month of opening</li><li>Proposed and presented an innovative business model and assessed its financial feasibility</li></ul>	07/2021-07/2021
<b>Intern, Western innovation (Beijing) Investment Management Co., Ltd</b> <ul style="list-style-type: none"><li>Participated in BSE housing loan guarantee business, gathered the partners' audit reports for the past three years</li><li>Joined financial index analysis to calculate the profitability and solvency indicators and evaluated the financial and legal risks of the partners, participated in compiling the due diligence research reports and project status report</li><li>Engaged in the limited guarantee project of consumer finance and joined financial index analysis</li></ul>	07/2021-10/2021

## SKILLS

**Computer Skills:** Python, R, VBA, SPSS, Stata, MATLAB, Wind Database, Microsoft Office, LaTeX  
**Language Skills:** Mandarin (Native), English (Full Score in TOFEL speaking, reading and listening)  
**Certificate:** National Computer Rank Examination Grade 2



# Yurong Zhang

501 West 113th Street, New York, NY 10025 | 765-767-0453 | yz4335@columbia.edu

## EDUCATION

### Purdue University, Krannert School of Management

#### *Bachelor of Science, Economics*

Concentration: Finance; Minor: Mathematics

- 3.94/4.0

West Lafayette, IN

September 2020 – May 2022

### China Agricultural University, International College Beijing

#### *Bachelor of Arts, Economics*

- 3.83/4.0

• *Relevant coursework: Econometrics, Money and banking, Stats with Comp Applications, Calculus, Industry organization, Financial Mgmt, Investment, Corporate Finance and Fixed Income Securities*

Beijing, China

September 2018 – May 2022

## PROFESSIONAL EXPERIENCE

### Crafted Capital

Remote

#### *Middle Market Investment Banking Deal Sourcing Externship*

March 2022 – May 2022

- Researched HVAC industry's size, competition and M&A transactions from distributor, manufacturer and contractor sides, identified notable patterns during the past 5 years and the COVID
- Dealt sourcing over 80 HVAC organizations using Capital IQ and Apollo to find 8 potential target firms
- Created a pitch presentation featuring most promising deals for team to pursue

### Primeton Technologies, Ltd. (China Investment Corporation's project)

Beijing, China

#### *Software Intern*

June 2021– July 2021

- Completed company's training modules of Python and Bloomberg software
- Analyzed and ranked the CSI 300 index stocks based on factor model using Bloomberg
- Evaluated in-depth stocks' performances using the Bloomberg with mentor's instruction

### China Agricultural University

Beijing, China

#### *Finance Teaching Assistant & Freshman Counsel*

September 2019 – June 2020

- Collaborated with professor regarding course material, assignments and exam grading
- Coached 30 first-year students with learning and daily issues to assist students better with schoolwork
- Organized class activities such as sports meetings to enhance class cohesion and collaboration among students

## LEADERSHIP AND INVOLVEMENT

### Financial Management Research Challenge, Case Competition

West Lafayette, IN

#### *Second place out of 40 groups*

October 2021– December 2021

- Developed credit scoring model and applied time series analysis to evaluate Sagamore Corporation's 3.9 million loans request to Purdue Federal Credit Union

### China Agricultural University's Chess Club

Beijing, China

#### *President*

September 2019 – June 2020

- Planned club's daily activities, training and competitions
- Managed club's financial affairs and reimbursed member's cost
- Coordinated competitions between universities and built partnerships with other universities' clubs

## THESIS AND PUBLICATION

Live Online Learning Power Influencing on College Students' Learning Effect — a Case Study of Math Class

- Adopted live online learning power model to analyzed 285 college students' learning effects and gave target solutions to platform, students, and teachers

## RELEVANT SKILLS

- Computer skills: Microsoft Office, Data analysis software (Python, Stata, R)
- Language skills: Native Mandarin speaker; Fluent in English

## HONORS AND CERTIFICATIONS

- Dean's List & Semester Honors 2021&2022
- Bloomberg Market Concept Certificate of Completion, 2021
- Second-class Scholarship, China Agricultural University, 2019 & 2020
- Outstanding Leader, The Chess Foundation & Beijing College Students Go League Organizing, 2019

# TIANJIAN (KEVIN) ZHENG

(714) 397-3558 | tz2552@columbia.edu | U.S. Permanent Resident

## EDUCATION

### Columbia University, Graduate School of Arts and Sciences

New York, NY

*M.A. Candidate, Major in Economics*

09/2022 - 12/2023

### University of California, Irvine (UCI), Department of Economics

Irvine, CA

*B.A. Degree, Major in Quantitative Economics*

09/2020 - 05/2022

- **Cumulative GPA: 3.81/4.00**
- **Honors:** Dean's Honor List in ALL quarters
- **Core Courses:** Probability, Stochastic Processes, Intermediate Quantitative Economics I, II & III, Econometrics, Financial Investments, Math of Finance, Economics of Asymmetric Information, Economic Development, Managerial Economics, Calculus, Linear Algebra

## PROFESSIONAL

### Ping An Securities Company (PASC), Research Institute

Shanghai, China

*Equity Research Intern*

04/2021 - 06/2021

- Assisted senior analysts and researchers in data collection by Wind and Bloomberg, and manipulation on macro-economy; updated the weekly database including stock price index, market indexes, macro news by Excel
- Assessed economic outlooks and macro trends, conducted industry research and performed analysis on companies' financials to evaluate new investment prospects
- Utilized the DCF model and comps to carry out companies' valuations, built stock valuation models for 10 different types of stocks and created 10+ company profiles for stocks pitches to the portfolios
- Developed industry analysis and research reports with 4 selected reports including:
  - PASC 2021 Macro and Strategy Outlooks
  - PASC Research Report of China Digital Currency (Digital RMB) Trials
  - Ping An ESG Report Series: Green Finance and Investment Opportunity in China
  - PASC 2021 FinTech Market Research Report

### Applied Investment Research Group (AIRG), UCI

Irvine, CA

*Equity Research Analyst*

01/2020 - Present

- Conducted research in H share and ADR stocks in FinTech and technology sectors, performed top-down analysis on financial statements and built financial models
- Wrote weekly reports including industry landscape analysis, economic standing of industries, valuation matrix and comps analysis, provide macroeconomic and market research to support the team's investment strategies

### The Economic Observer (EO)

Beijing, China

*Economic Correspondent Intern*

09/2020 - 11/2020

- Wrote and edited reports with topic covering economics and finance for EO, an independent Chinese weekly newspaper that publishes news and commentary related to China's economic, political and social developments
- Communicated with economic professors, government officials and industry professionals for interviews, wrote the scripts and developed news reports accordingly
- Assisted in the shooting and editing of short videos, managed EO's social media platforms including official website, Weibo and WeChat and maintained the content update

## RESEARCH

### Analyzing the Effects of U.S. Monetary Policy on Chinese Economy

Irvine, CA

*Independent Research*

06/2021 - 05/2022

- Performed literature reviews that assess the effects of U.S. monetary policy and U.S. quantitative easing on macroeconomic variables
- Ran vector autoregressions (VAR) on real GDP growth, inflation, interest rate, U.S.-China exchange rate using monthly data of China from 2012 to 2020 (Data source: World Bank Open Data, National Bureau of Statistics)

### Research on Recent High Unemployment with DMP Model

Irvine, CA

*Course Project for Econ 105C - Intermediate Quantitative Economics III*

02/2021 - 05/2021

- Collected macroeconomic data and unemployment data (1995-2020) from FRED
- Performed data cleaning and sourcing in Excel and multiple regression analysis in STATA
- Utilized the DMP Model to analyze how wage and tax affect the vacancy supply and equilibrium unemployment

## ADDITIONAL

- **Languages:** Mandarin (Native), English (Proficient)
- **Technical Skills:** Bloomberg Terminal, Excel VBA, R, STATA, Final Cut Pro, Word, PowerPoint, and Wind
- **Leadership and Community Service:** **Founder & President** of the 240+ members' "Drones and Photography Club," interviewed, wrote, and edited 200 stories of both local residents and int'l communities to promote Sino-US cultural exchanges, **Events Planner & Host** of Chinese University Alumni Association Alliance of Southern California, **Volunteer & Photographer** of Peking University Alumni Association of Southern California



# Kailin Zhu

400 W 113<sup>th</sup> St, New York, NY 10025 | [kz2439@columbia.edu](mailto:kz2439@columbia.edu) | (925) 381-4626

## EDUCATION

### Columbia University

New York, NY

- Master of Arts in Economics

Sept. 2022 - Dec. 2022 (expected)

### Thurgood Marshall College, University of California San Diego (UCSD)

San Diego, CA

- Bachelor of Science in Mathematics and Economics; GPA: 3.98/4.0
- Core Courses: Mathematical Reasoning, Econometrics, Microeconomics, Math Analysis, Introduction to Probability, Macroeconomics, Linear Algebra, Differential Equations, Discrete Mathematics

Sept. 2020 - Jun. 2022

## RESEARCH EXPERIENCE

### University of Pennsylvania Summer Research Program

Participant & Group Leader

Jul. 2021 - Aug. 2021

- Took online courses related to stochastic process and acquired initial understanding of stochastic modeling
- Utilized the knowledge of self-avoiding random walk to conduct a maze path project
- Discussed the dependence of stock-market and the deviation of individual stock, collected and analyzed data, and thus drew a conclusion that the stock-market was dependent by using linear regression

## PUBLICATION

**Kailin Zhu, A Discussion about The Dependence of Stock-market Price and The Deviation of Individual Stock.** Accepted by 2021 International Conference on Statistics, Applied Mathematics and Computing Science (CSAMCS 2021)

## PROFESSIONAL EXPERIENCE

### Haoliangni Health Food Co., Ltd.

Zhengzhou, China

Intern of Investment Department

Jul. 2021 - Sept. 2021

- Collected some relevant information and research analysis reports of the postpartum care centers, selected a proper valuation model to estimate the industry's prospects and current competitive landscape
- Analyze equity-based products in the market and recommended stock funds

### Globaleur

Santa Clara, CA

Content Analyst Intern

May 2019 - Jun. 2019

- Maintained Globaleur's content portal, analyzed user data, and calculated the conversion rate

### Henan Guangfa Financial Management Co., Ltd.

Zhengzhou, China

Financial Analyst Intern

Dec. 2018 - Jan. 2019

- Created and implemented an innovative solution of leveraging Excel VBA to automate data input, analysis, and reporting processes which increased company's operational efficiency by more than 50% in the department

## TEACHING EXPERIENCE

### Undergraduate Instructional Assistant, University of California San Diego

Sept. 2021 - Dec. 2021

- Assisted with grading of homework, papers, or exams
- Hold discussion sections and office hours to answer students' questions

### Math Tutor, Diablo Valley College Math Lab

Sept. 2019 - Feb. 2020

- Helped current students solve mathematical problems, and prepare for exams
- Shared my perspectives with students on advanced topics that may spark more motivation and interest.

### Teaching Assistant, Contra Costa Chinese School

Dec. 2018 - Feb. 2020

- Taught Chinese language and culture to a group of 10 students in 5<sup>th</sup> grade as a Chinese instructor
- Prepared curriculum, designed class activities, and conducted performance reviews

## HONORS & AWARDS

Provost Honors for Fall, Winter, and Spring terms at UCSD

Academic Honors for Academic Year of 2018 and 2019 at DVC

2016 Future Leader Award of Shanghai World Youth Economic Forum

Olympic Math Competition Bronze Medal in 10<sup>th</sup> grade

## SKILLS & INTERESTS

- Computer Skills: Stata, R, MATLAB, C++, Java, SQL, LaTeX, MS Office Suite
- Language Skills: Mandarin (native), English (fluent)
- Interests: Cooking, Hiking, Calligraphy, Travelling, Debating, Modifying Car