

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK



# DEPARTMENT OF ECONOMICS

M.A. Fall 2020 Cohort Resume Book

Resume Book Columbia University  
Master of Economics (MAE)  
Publication Date: 10/12/2021

Dear Recruiters,

I take great pride in presenting to you our 2021 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, 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 can make 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.

For information about the MAE program, please visit our website at,

<https://econ.columbia.edu/masters/>

Sincerely yours,



**Ceyhun Elgin**

*Director of Master's Program*

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# Can Taşal

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## EDUCATION

### COLUMBIA UNIVERSITY

*Master of Arts (M.A) in Economics*

New York City, United States

2020-Present

Relevant Coursework: Macroeconomic Analysis, Microeconomic Analysis, Econometrics, International Economics, Advanced Macroeconomics, Economic Policy Analysis

### KOÇ UNIVERSITY

*Bachelor of Science in Industrial Engineering*

Istanbul, Turkey

2015-2020

*Bachelor of Arts in Economics*

- Magna Cum Laude
- Specialization Track: Financial Engineering
- GPA: 3.68/4.0. Ranked in the top 10% of both majors
- Vehbi Koç Scholars : 4 semesters (for SPAs above 3.50)
- Dean's Honor Roll: 6 semesters (for SPAs above 3.00)

Relevant Coursework: Financial Engineering, Money and Banking, Engineering Economics, International Finance, Stochastic Models, Modeling and Simulation, Introduction to Financial Management, Financial Markets and Institutions, International Trade

Major Projects:

- For the graduation project worked in team to optimize the allocation of the orders for Turkish retailer Trendyol, which is the first Turkish deca-corn.
- Constructed a database for incoming and outgoing students at Koç University utilizing multiples attributes via conceptual and logical design and SQL

### LONDON SCHOOL OF ECONOMICS AND POLITICAL SCIENCE

London, United Kingdom

EC 102: Introductory Macroeconomics course

Summer 2016

## EXPERIENCE

### MOORE CAPITAL MANAGEMENT

*Macro Research Intern*

New York City, USA

Summer 2021-Present

- Conducted macroeconomic research for hedging decisions
- Collaborated with the Wall Street dealers for investment decisions
- Conducted detailed research on commodities&equities
- Gained experience with the Bloomberg terminal

### MERIDIAN TOURS

**Founded in 1993, Meridian Tours is a leading travel agency that serves +40,000 people annually**

*Finance Intern*

Istanbul, Turkey

Summer 2019-Jan 2020

Summer 2016

- Applied insights from university courses and internships to propose strategic and operational improvements to the Finance Department, including hedging strategies against Turkish Lira
- Successfully proposed business case for retaining external financial advisory to oversee transformation process

### DELOITTE

*Auditing Intern*

Istanbul, Turkey

Summer 2018

- Joined audit team for semi-annual financial auditing of major Turkish bank
- Contributed to preparation and publication of unconsolidated and consolidated financial reports
- Researched and analyzed bank's clients loan performance via Şekerbank database and archives
- Verified bank's financial data via Microsoft Excel and Deloitte algorithms

### YAPI KREDİ BANK

*CRM Analytics Intern for Corporate Marketing*

Istanbul, Turkey

Summer 2017

- Developed familiarity with +50 financial instruments and products offered by bank to clients
- Conducted sector and income-level based analyses of product preferences of corporate customers
- Presented the outcomes of product usage analysis to the Corporate Marketing Management to enhance marketing Strategies aimed at corporate clients

### KOÇ UNIVERSITY

*Work/Study Program with Professor Selva Demiralp*

Istanbul, Turkey

Sept-Dec 2017

- Assisted Professor Demiralp with her research regarding the influence of political leaders on central banks
- Extracted data from Bloomberg database related to major news events and political speeches from 2012 to 2017
- Classified data according to relevance to economic performance and Turkish monetary policies

### KOLT (Koç University Office of Learning and Teaching)

*KOLT Tutor of INDR 343: Stochastic Models for Fall 2018 Term*

Istanbul, Turkey

Sept-Dec 2018

- Conducted four hours of peer tutoring weekly
- Helped students to gain stronger grasp on Markovian Models, Queuing Theory and Inventory Model
- Held review sessions for +50 students before exams

## EXTRACURRICULAR ACTIVITIES

### INDUSTRIAL ENGINEERING SOCIETY

*Active Member*

Istanbul, Turkey

Sept 2015-May 2018

- Served on in Internal Relations Committee, Press Committee and Foyer Committee
- Contributed to organization of the largest university career event in Turkey, IndEx, which hosts +400 participants, +20 companies and +20 speakers annually

### PROFESSIONAL TENNIS PLAYER

- Played professional tennis for seven years for T.E.D club. Play twice weekly currently
- Participated in regional and national tournaments in Turkey, including Nike Challenger

**Languages:** Turkish (native), English (fluent), Spanish (A2)

**IT:** Microsoft Office, MATLAB, Arena, Gams, STATA, Turkey Data Monitor, SQL, Python

**Nationalities:** Turkey, US Permanent Resident

# Yadong (Adam) CHEN

yc3833@columbia.edu | (+86) 18115588058

## EDUCATIONS

**Columbia University** | *Master of Arts in Economics* *Sep 2020 - Dec 2021*

- **GPA:** 3.67/4.0; **Ranking:** 10%
- **Honors and Awards:** ECON Fellowship Scholarship

**University of Rochester** | *Bachelor of Arts in Financial Economics* *Sep 2018 - May 2020*

- **GPA:** 3.96/4.0; **Ranking:** 5%
- **Honors and Awards:** Distinction Graduate, Barry Rapoport Prize, John Dows Mairs Prize

**Nanjing University of Posts and Telecommunications** | *Economics* *Sep 2016 - Jun 2018*

- **GPA:** 3.85/5.00; **Ranking:** 1/78
- **Honors and Awards:** First-class scholarship, Excellent Student Cadre, 1st Prize of Internet + Innovation and Entrepreneurship

## WORKING EXPERIENCES

**Tencent Holdings Ltd** | *Summer Intern, Strategy Analyst* *May 2020 – Aug 2021*

- Identified market trends of cloud computing within the context of PaaS and IaaS (CDN, big data, middleware, storage, etc.), evaluated Tencent's current cloud computing capabilities and delivered long-term departmental strategy to the general manager
- Investigated the 3D Digital Reconstruction and Virtual Reality industry and assisted Shannon Lab at Tencent to explore innovation projects; successfully prompted the project approval of "Real 3D Transmission" and school-enterprise cooperation with NWPU, and followed up the subsequent progress of demo implementation
- Conducted research on the cloud database industry, mainly about commercialization of new databases (multi-model and HTAP), competitors analyses and organization structure adjustment; assisted in promoting the implementation of YottaDB, Clickhouse and other products

**Deloitte Consulting** | *Consulting Assistant* *Jun 2019 - Jul 2019*

- Put forward the necessity of building a big data platform for a furniture retail enterprise and helped clients define their expectations and understand the as-is process from 7 perspectives such as marketing, chain operation and business expansion through 5+ client requirements workshops; unraveled goals and specific contents of construction, and completed a feasibility report of ~40 pages
- Interviewed 5+ different experts and managers in the New Retail industry in the primary research phase and referenced 20+ peer-reviewed industry reports for benchmarking against industry practices in the secondary research phase
- Assisted project manager to set up project work breakdown structure (WBS), participated and facilitated weekly status review, and tracked status to ensure cost and quality under control, which accelerated overall progress by 4-5 days

## EXTRACURRICULAR EXPERIENCES

**Bain Cup Case Competition** | *Team leader* *May 2021*

- Lead 3 team members to complete a development plan of a fruit company in China, including store expansion and operation strategy
- Won the Excellent Work Award (~10%) among 500+ participating teams

**Intermediate Microeconomics course in University of Rochester** | *Teaching Assistant* *Aug 2019 - Dec 2019*

- Assisted Prof. Steven Landsburg with the Intermediate Microeconomics course for 300+ students; managed one-hour long recitation 3 times per week independently
- Designed and gave pre-test review sessions with 80+ attendees and 100% positive feedbacks

**Gift Shop in Nanjing University of Posts and Telecommunications** | *Co-founder* *Oct 2016 - Jun 2018*

- Teamed up with 15 members to found the school's first official gift shop, administrating phases such as the initial planning, market research, and the establishment of the physical and online stores; won Biz Challenge 1st Prize
- Participated in the sales of products, earned 12,000+ RMB revenues in the 1st year, and achieved a 30% profit growth in the 2nd year

**Public Relations of College Students Union** | *Officer* *Sep 2016 - Jul 2017*

- Managed 19 members to seek sponsorship up to 15,000+ RMB from corporations in and outside the campus
- Organized annual activities such as socials and sports events and accumulated over 1,000+ attendees

## SKILLS & INTERESTS

- **Language Proficiency:** English (Proficient, TOEFL: 106; GRE: 329); Chinese (Native)
- **Computer Competency:** PowerPoint (Thinkcell), Excel, Python, STATA, SQL
- **Interests:** Traveling, Fitness, Entrepreneurship

# QIANHUI GAO

Mobile: (650) 430-1274 | Email: nicolegao515@gmail.com

## EDUCATION BACKGROUND

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### Columbia University

*Master of Arts in Economics*

New York, USA

Exp. Aug 2020 – Dec 2021

### Boston University

*Bachelor of Arts*

Massachusetts, USA

Aug 2018 - Sep 2020

- Major: Economics & Mathematics
- Overall GPA: 3.52/4.0

### College of San Mateo

*Associate's Degree of Arts*

California, USA

Aug 2016 - May 2018

- Major: Mathematics; Overall GPA: 3.77/4.0

## INTERNSHIP EXPERIENCE

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### Shenzhen Glorint Captical Co., Ltd.

*Intern, Equity Merger and Acquisition Department*

Shenzhen, China

05.2019– 08.2019

- Extracted the core information from cumbersome data with the composed and explicit attitude, through the disposal process of business judgement, industry growth, corporate finance analysis, investment measured, and rate of change of business conditions
- Searched and screened effective information from the official website for registered certificates and fundamental record filing certificates of custodian introductions, ensuring the accuracy and timeliness
- Took the initiative to make concrete graphs, illustrating the effective data, valued information and trend of the profit growth of TEMPUS since its listed
- Acquired knowledge about investment, fund management, legal policies, as well as risks and returns with high efficiency and impressive learning capacity
- Proposed personal perspectives and questions in investment thesis and risk management with creative minds and discretion
- Discreetly confirmed policies and regulations by phone calls and emails, acquiring accurate information

### Ernst & Young

*Intern, Tax department*

Shenzhen, China

05.2018-08.2018

- Responsible for editing and translating documents, including the service proposal of Environmental Protection Project of China Everbright Bank and the Xinjiang Wanda project, etc.
- Highly engaged in searching for and managing the complicated relevant regulations of Qianhai Construction Department, Qianhai Land value increment tax, drawback operation of import and export taxes and added-value tax and classified diverse goods; Formatted and modified files of foreign visitors to Ernst & Young
- Assisted and organized the multiple government departments' communication and consultation through several projects, acquiring in-depth understanding of project procedures

### College of San Mateo

*Tutor, Summer Math Lab*

California, USA

June 2017

- Assisted professors to instruct algebra, invigilating the subjects; Responded questions from students
- Made explicit teaching outlines, acquiring abundant teaching methods and systematic knowledge net

## RESEARCH EXPERIENCE

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### *Comparison and Application of Continuous and Discrete Probability Distribution Function*

Apr 2018

- Presented in the class with the form of group thesis as the honors project research
- Distinguished continuous and discrete probability distribution function, the connection between knowledge and calculus as calculating probability, and the differences without function
- Explained the concrete applications based on calculus, choosing classic cases (dices, coins, picking numbers from an interval, etc) in Statistics as the study subjects

## EXTRACURRICULAR ACTIVITIES

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### *Editor and Designer, Labyrinth (Campus Literature and Arts Magazine)*

Jun 2016- May 2018

- Published photographs and responsible for choosing the illustrations and cover pictures, editing and organizing the manuscripts, and designing the photos and type setting
- Involved in soliciting funds and communicated with typographers to manage the publishing schedules

### *Committee Chair, CGS Volunteering Community & PTK Honors Society*

Jun 2016- May 2018

- Organized the committee to participate in the environmentally friendly activity (beach cleaning activity), regularly visiting the nursing houses and orphanages, etc.
- Responsible for raising funds with multiple activities to support the committee

# YUNSHANG GU

Email: yg2732@columbia.edu

## EDUCATION

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**Columbia University, Master of Arts in Economics**

*New York City, U.S., Sep 2020 – Dec 2021*

**The Chinese University of Hong Kong**

*Shenzhen, China, Sep 2016 – May 2020*

*Bachelor of Business Administration in Economics with First Class Honor, Minor: Finance*

- Major GPA 3.81, University Scholarship, Dean's List for each year

**University of California, Berkeley, Summer Program**

*Berkeley, U.S., Jul – Aug 2018*

## WORK EXPERIENCE

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**China Merchants Fund Management Co., Ltd.**

*Shenzhen, China, Jul – Aug 2021*

*Research Intern in Ping Wang's Team, Quantitative Investment Department*

- **Research in cutting-edge tech industries and corresponding indices:** wrote research reports by myself from perspectives of macroeconomic factors (demand and supply, policy), industry chain (production capability, competitive landscape), and future trends, of 40+ pages for lithium battery, 60 pages within two days for electric vehicle, and hydrogen energy industry, delivering core investment values to investors
- **Research in ETF strategy and market:** conducted risk & return analysis of the above indices and existing ETFs, evaluated smart beta and asset allocation strategy in the US and Chinese markets and their historical performance by participating in group discussion

**China Merchants Securities Co., Ltd.**

*Remote, Oct 2020 – Feb 2021*

*Strategy Research Intern in Xia Zhang's Team, Research Department*

- **Investment research projects:** multiple investment strategies researched including "alpha in Chinese public funds", "reflection on the Nifty Fifty", and "pivotal stock pool in different industries", satisfied clients' need by delivering high-quality and timely reports
- **Database construction:** built for internal long-term use the competition landscape and trackable data in cloud computing and chip industries
- **Reports production:** wrote weekly and annual reports on hot events, market reflection and investment logic, with highest 26 thousand reads

**Infinity Equity Management Co., Ltd.**

*Shenzhen, China, Jan – Apr 2020*

*Investment Analyst Intern in Fan Zhang's Team, Investment Department*

- **Equity research:** participated in equity investment and completed project reports of several companies in the 5G industry whose products include laser, glass inspection, motion sense, circulator, and millimeter wave chip, and received positive feedback from chief director
- **Research in semiconductor industry:** studied all aspects of the integrated circuit industry, including relevant technology and equipment, analyzed the competitive landscapes in each link and evaluated potential investment opportunities

**Sinolink Securities Co., Ltd.**

*Shanghai, China, Jul – Aug 2019*

*Financial Analyst Intern in Xing Kou's Team, Research Department*

- **Defense against shortseller:** promptly responded against Blue Orca Capital who released a shortselling report against Aoyou by attending company meetings, collecting evidence by division, to guarantee timeliness, with Aoyou's price bouncing back by 13% the next day
- **Researched competition landscape:** analyzed Yili and Mengniu's sales strategies, market share, and branding; field investigation in price
- **Assistance in writing reports:** researched annual reports and news, authored food and beverage industry daily in a timely manner

## RESEARCHES & ACTIVITIES

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**Investment Analysis and Portfolio Management, Team Leader, Analyst**

*Shenzhen, China, Sep – Dec 2019, Jan – Apr 2021*

- Used STATA and R to test financial models, constructed different trading strategies, and evaluated their performances, including pair-trading strategy, momentum strategy, Fama-MacBeth Regression and BAB strategy
- Used SAS to construct sentimental trading strategy by longing top 10% companies with the highest negative emotion score in their annual reports and shorting the bottom 10%, and achieved a significant 5% annual alpha by regressing Carhart Four-Factor Model

**Econometric Analysis on Medical Insurance, Team Leader**

*Shenzhen, China, Jan – May 2020*

- Completed data cleaning, regression, and testing by myself, implemented instrumental variable and DID analysis, used CHNS data
- Led teammates to write a research paper on the effects of medical insurance on health and behavior, proved the existence of moral hazard

**Student Clubs, President & Volunteer Tutor**

*Shenzhen, China, Oct 2016 – Jun 2018*

- President of sports club: led departments to host 10 university sports activities, invited professional to deliver yoga class for over 200 students
- Planned several university calligraphy exhibition with my own work displayed, provided weekly calligraphy teaching for over 30 students

## SKILLS & CERTIFICATION

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**ACCA:** passed 8/13 exams

**IT Skills:** R, Matlab, STATA, SAS, Microsoft Office; able to perform quantitative investment, machine learning, and optimization

**Languages:** Chinese Mandarin (native), English (TOEFL: 113, GRE: 329+4.5)

**Interests:** Body-building (half marathon), Travelling (Czech Republic, Austria, Hungary, Japan and the US), Chinese Calligraphy (level 10 passed), Movies (published film review on university public platform)

# YUNSHANG GU

Email: yg2732@columbia.edu

## EDUCATION

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## WORK EXPERIENCE

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- **Research in semiconductor industry:** studied all aspects of the integrated circuit industry, including relevant technology and equipment, analyzed the competitive landscapes in each link and evaluated potential investment opportunities

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## RESEARCHES & ACTIVITIES

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- Led teammates to write a research paper on the effects of medical insurance on health and behavior, proved the existence of moral hazard

**Student Clubs, President & Volunteer Tutor**

*Shenzhen, China, Oct 2016 – Jun 2018*

- President of sports club: led departments to host 10 university sports activities, invited professional to deliver yoga class for over 200 students
- Planned several university calligraphy exhibition with my own work displayed, provided weekly calligraphy teaching for over 30 students

## SKILLS & CERTIFICATION

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**IT Skills:** R, Matlab, STATA, SAS, Microsoft Office; able to perform quantitative investment, machine learning, and optimization

**Languages:** Chinese Mandarin (native), English (TOEFL: 113, GRE: 329+4.5)

**Interests:** Body-building (half marathon), Travelling (Czech Republic, Austria, Hungary, Japan and the US), Chinese Calligraphy (level 10 passed), Movies (published film review on university public platform)

## MING YIN HO (ALTHEA)

mh4090@columbia.edu

### EDUCATION

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#### Columbia University

New York, New York

*Master of Arts in Economics*

*Aug 2020 – Dec 2021*

- Microeconomics Analysis, Macroeconomics Analysis, Econometrics, Financial Economics, International Economics

#### Emory University

Atlanta, Georgia

*Bachelor of Arts in Economics and Mathematics Joint*

*Aug 2017 – Dec 2019*

- Cumulative GPA: 3.840/4.000
- Honors: Phi Eta Sigma (Top 10% in 1<sup>st</sup> semester), Omicron Delta Epsilon (Economics Honors Society)
- Relevant Coursework: Microeconomics, Macroeconomics, Econometrics, Mathematical Economics, Money & Banking, International Finance, Financial Accounting

### EXPERIENCE

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#### Research Assistant at Columbia University

New York, New York

*For Professors Rajiv Sethi, Dan O'Flaherty, Jose L Montiel Olea*

*May 2021 - Current*

- Police Homicide Project

#### Research Assistant at Columbia University

New York, New York

*For Ken Teoh, PhD candidate*

*Sept 2020 – Dec 2020*

- Assisted in Ken's project on textual analysis: Measuring Firm-Level Attention
- Managed large datasets by collecting and cleaning textual data with Python code and Excel

#### SHINEWING (HK) CPA Limited

Hong Kong, Hong Kong

*Audit Intern*

*April 2020 – June 2020*

- Assisted in providing audit & assurance services
- Compiled and analyzed financial transactions to ensure accuracy and completeness; identified discrepancies, if any
- Prepared and filed audit workpapers in compliance HKFRS

#### Abots.io

Hong Kong, Hong Kong

*Software Engineer Intern*

*May 2018 – June 2018*

- Developed a web-based NLP Chatbot platform for the company using tools from Google DialogFlow, Cloud Platform; incorporated Chatbot onto website

### CAMPUS AND LEADERSHIP INVOLVEMENT

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#### International Student Association (ISA)

Atlanta, Georgia

*PR Vice Chair (Fall 2018), Logistic Team (2017-2018)*

*2017-2018*

- Assisted general executive board in organizing annual events on campus
- Organized budget fees for each event and communicate with the student government

#### Women's Basketball Team

Atlanta, Georgia

*Co-Captain, Treasurer*

*2017-2018*

### SKILLS

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**Languages:** Fluent in Cantonese (native), Mandarin, and English

**Technical:** MS Office Word, Excel, PowerPoint, Stata, Latex, R Studio, SAS

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# CHENGYU HUANG

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chengyu.huang1235@gmail.com

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## EDUCATION

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**Columbia University** - New York, NY, **Master of Arts: Economics**, Expected in 12/2021

**Skidmore College** - Saratoga Springs, NY, **Bachelor of Arts: Economics & Mathematics**, 05/2020

- GPA: 3.90| Dean's List| Ranked in Top 3% of class

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## PROFESSIONAL SUMMARY

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Hardworking Financial Analyst Intern with superior mathematics skills. Detail-oriented and adept at using software packages to create portfolios and analyze financial data. Hands-on experience evaluating data, studying business and economic trends and preparing written reports.

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## SKILLS

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- STATA, Python, R, SQL, SAS, Matlab, WIND, Microsoft Office
- Bloomberg
- Financial Modeling and Budgeting
- CFA Level 2 Candidate
- Performance reporting
- Investment principles
- Data analysis
- Financial Management
- Project Management

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## WORK HISTORY

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**Financial Analyst Intern**, 02/2021 to Current

**Way Creative House** – New York

- Developed financial models (5 years DCF) and valuation, analyzed financial statements, created pitch book materials and conducted marketing research for a start-up client named Teacher IQ
- Educated clients on various financial matters and provided professional recommendations on investment opportunities, products based on each clients' individual needs
- Conducted analytical, due diligence support on Micro/Macro-economic environment, sales volume, market share, brand recognition, brand equity
- Assessed data to advise current or prospective clients on actual or prospective mergers & acquisition offerings
- Developed forecasting tools to analyze revenue variance, business pipeline and industry trends
- Conducted intensive research to adjust the pricing strategy and marketing campaigns
- Proactively identified operational risks/ control deficiencies in the business and presented to the management

**Financial Research Fellow**, 09/2019 to 05/2020 **Zhejiang University International Business School** – Zhejiang

- Conducted in-depth data analysis to determine the degree of internationalization index for Chinese firms by using SPSS statistics software in conjunction with Microsoft Excel
- Delegated responsibilities among a 4-person research team and increased research productivity
- Ranked the internationalization of Chinese firms by leveraging 150 enterprises on WIND (Chinese Bloomberg Terminal) and categorized the results into 3 categories: operations, ownership, and orientation

**Financial Analyst**, 08/2019 to 09/2019

**Zhejiang Association of Internet Finance** – Zhejiang

- Audited broad swathes of data and conducted corporate research on 7 FinTech companies and subsequently developed comprehensive investment theses into easily digestible deliverables
- Organized internal and external educational seminars on various financial topics and increased 90% attendance
- Regularly communicated with C-Level managers from various corporations, providing them with industry insights.

**Financial Research Intern**, 06/2019 to 07/2019

**TF Securities Research Institute** – Shanghai

- Conducted in-depth market research on WIND (Chinese Bloomberg Terminal), transforming large sets of data into various graphics in Excel, used event-study method in Stata, and presented findings to clients
- Analyzed Shanghai and Shenzhen stock markets to investigate the impact of the listing of STAR market A-shares in China
- Developed and distributed weekly investment reports to senior leaders who leveraged the report to make strategic investment and strategy decisions for the firm

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## ADDITIONAL INFORMATION

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- Certificates: CFA Level 2 Candidate, Python 3 Programming (U-Michigan Online Course Certificate)

# Jessica James

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## Education

*Columbia University*

Master of Arts, Economics

December 2021 (Expected)

*University of Oklahoma, Norman*

Bachelor of Arts, Economics and Mathematics, *Summa Cum Laude*.

May 2020

GPA: 3.96

*University of Glasgow*

Exchange student, Economics and Statistics

September 2019-May 2020

Relevant Coursework: Econometric Analysis, Applied Statistical Methods, Multivariate Methods, Financial Economics, Mathematical Modeling

## Computer Skills

R, Stata, SAS, LaTeX, Microsoft Office

## Professional Experience

Irani Center for the Creation of Economic Wealth

January 2018-December 2018

*Team Leader, Fall 2018*

- Led a team of four interdisciplinary analysts to commercialize a novel sampling method in the field of Fourier-Transform Infrared Spectroscopy (FTIR)
- Determined best fit use cases for technology; sized \$17.1M market consisting of 29K research laboratories, service testing laboratories, and CROs; and recommended product modifications to access additional \$14.2M market

*Interdisciplinary Analyst, Summer 2018*

- Created business plan for Nepalese entrepreneur's management consultancy and research business
- Developed four service packages based on informational interviews with Nepalese NGOs and businesses; discovered \$30K in annual savings from digitization and management, staffing, and expensing reforms; and sized a \$6.8M minimum market consisting of 43 IGOs, 140 INGOs, 500 NGOs, and 173 companies

*Interdisciplinary Analyst, Spring 2018*

- Developed an expansion plan for a nonprofit community development financial institution's mortgage program
- Constructed a risk-adjusted pricing tool that includes 3.49% of risk premiums in the discount rate leading to \$10.3M profits over 26 years; identified a \$10B Habitat for Humanity mortgage market and determined five target states for expansion; and located \$271M in capital in target states to fund the \$11.5M expansion plan

E Foundation for Oklahoma, *Intern*

June 2018-August 2018

- Assisted in Oklahoma City-based think tank's research valuing trade opportunities for Oklahoma
- Conducted analysis of import and export data to find commodities best suited for trade with the UK and quantified potential value from trade

Journal Record Legislative Report, *Intern*

January 2017-May 2017

- Covered committee and floor meetings of the Oklahoma Senate and House of Representatives
- Wrote article about female incarceration for 2017 Oklahoma Policy Review

## Activities and Honors

Phi Beta Kappa, Oklahoma Academic Scholar, Regents' Scholar, National Merit Scholar, Economic Scholars Program (Discussant: 2020), Model United Nations of the Southwest (Secretary General: 2018-2019, Treasurer: 2017-2018), Honors Student Association, Economics Club, Women in STEM Society

# Jeffery Wang (Jieyang)

Jw4067@columbia.edu

## EDUCATION

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

New York, NY

*Master of Arts in Economics*

Dec 2021

**Cumulative GPA:** 3.734 / 4.000

President – MESA Student Board

### New York University, Leonard N. Stern School of Business (Class of 2015)

New York, NY

*Bachelor of Science in Business, Concentrations in Finance and Business Economics, Minor in Psychology*

Jan 2015

**Cumulative GPA:** 3.878 / 4.000 | **GRE:** Verbal 170, Quantitative 169, Analytical 5.5

**Honors:** Dean's List 2011 – 2014, Honor Key 2013

Top of Graduating Cohort for Business Economics (NYU Stern Dean's Award for Academic Excellence 2015)

## WORK EXPERIENCE

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### D. E. Shaw and Co. (And Spin-off to Arcesium LLC)

New York, NY

*Finance and Operations Associate*

*D. E. Shaw Mar 2015 – Jul 2015, Arcesium Jul 2015 – Aug 2020*

*Credit Related Opportunities / Distressed Debt: 2015 – 2020*

*US Convertible Arbitrage: 2015 – 2020*

*European Asset Backed Securities: 2019 - 2020*

- Initiated year-long project to perform an overhaul of firm accounting policy in relation to dirty priced Payment-In-Kind instruments, reducing yearly audit queries and correcting prior accounting inaccuracies
- Analyzed restructuring details for distressed companies; calculated reorganization economics and instructed trade details to Middle Office for bookings
- Implemented repurchase agreements and bookings for asset backed securities, calculated deferred fee schedules for credit linked notes, and instructed corporate action elections for convertible notes
- Conducted daily position, cash and P&L reconciliations and oversight on trade bookings; performed independent month-end review and analysis of accounting details for each investment strategy
- Coordinated settlements of debt positions and other credit instruments with trading desk, counterparties, and agents, and reviewed credit documentation for debt deals with legal counsel
- Acted as point of contact for yearly firm-wide audit of debt instruments; coordinated audit process with external auditors; internal accounting policy and financial reporting teams

## RELEVANT COURSEWORK AND TECHNICAL SKILLS

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Graduate:

- **Economics:** Core Micro/Macro Economics courses, Econometrics I and II
- **Mathematics:** Linear Algebra, Linear Regression Analysis, Time Series Analysis

Undergraduate:

- **Economics:** Game Theory, Competitive Analysis
- **Finance:** Corporate Finance, Debt Instruments, Competitive Analysis, Investment Banking
- **Mathematics:** Statistics for Business Control Regression & Forecasting Models, Calculus II

Technical Skills:

- **Coding:** SQL, Python, Stata / R / MATLAB
- **Others:** Word, Excel, PowerPoint, Minitab, Wall Street Office, Advent Geneva

## ACTIVITIES

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### Columbia Master of Arts in Economics Student Association

New York, NY

*President – Student Council*

- Organized workshops and events for Economics MA student cohort
- Worked with Columbia administration to improve student experience to account for COVID remote learning

## INTERESTS AND OTHER

- 
- **Language:** Mandarin Chinese (Fluent)
  - **Interests:** Scuba diving, Ballroom dancing, Tennis, Golf, Sci-Fi novels, Traveling, Wine

# Huiyuan Lian

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## EDUCATION

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<b>Columbia University</b> MA in Economics Candidate	Sep 2020 - Dec 2021 New York, U.S.
<b>Central University of Finance and Economics</b> Bachelor of Economics, GPA: 91/100 (3.88/4.0) • Scholarship for Holistic Development, Scholarship for Outstanding Academic Performance	Sep 2016 - July 2020 Beijing, China
<b>University of Cambridge</b> Cambridge Winter Programme - Finance • Scholarship for the Excellent Performance, Scholarship for the Best Group Presentation	Jan - Feb 2018 Cambridge, U.K.

## EXPERIENCE

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<b>The United Nations Department of Economic and Social Affairs (UN DESA)</b> <i>Intern</i>	Apr - Oct 2021 New York, U.S.
<ul style="list-style-type: none"><li>Drafted a document which summarizes the “Climate, Land, Energy and Water systems” modeling for identification and managing intersectoral tradeoffs and synergies in national policy.</li><li>Wrote a 30-page report to pilot test 7 capacity development toolkits of Curriculum on Governance for the SDGs.</li><li>Conducted visualization of a handbook on designing and implementing One-Stop Shops for governments.</li><li>Publish abstracts of publications on governance and public institutions, digital government, public service delivery, and accountability etc. Manage and update the United Nations Public Administration Network e-library (website visits grew by 193% and reached 230K in the past 4 months).</li></ul>	
<b>Ministry of Industry and Information Technology of China (MIIT)</b> <i>Intern</i>	Mar 2019 - Feb 2020 Beijing, China
<ul style="list-style-type: none"><li>Wrote an 80-page report for a World Bank project on public services for green manufacturing to provide policy/regulation examples in China for other nations’ governments.</li><li>Wrote a 20-page feasibility report for a UNIDO project on introducing energy-efficient technologies and infrastructure to Central Asia via South-South Cooperation.</li><li>Conducted case study on 20 machinery/automobiles/electronics firms. Drafted a concept note of consultancy for carbon reduction management in “Belt and Road” countries.</li><li>Organized 4 intergovernmental conferences between MIIT and Ministry of Trade, Industry and Economy of Korea to facilitate Korean investment and technical support to build green industrial parks in China.</li></ul>	
<b>The Carbon Trust</b> <i>Research Assistant Intern</i>	Jul - Aug 2018 Beijing, China
<ul style="list-style-type: none"><li>Wrote a 10,000-word diagnostic report on China industrial energy efficiency to provide strategies for UNIDO on global cooperation in energy efficiency acceleration.</li><li>Wrote a 7,000-word report which reviews best practices of firms’ R&amp;D and public policies regarding clean energy vehicles and evaluates the impact and trends of EV100 Initiative.</li><li>Conducted research and prepared manuals/briefings on low-carbon infrastructure, green finance, circular economy retrofit, microgrid, and science carbon target etc.</li></ul>	
<b>School of Economics, Central University of Finance and Economics</b> <i>Research Assistant</i>	Dec 2016 - Nov 2019 Beijing, China
<ul style="list-style-type: none"><li>Supervised a 6-person team to collect and clean major economic variables from hundreds of statistical yearbooks. Created a database containing 250,000 data points of 2,500 Chinese counties across 10 years.</li><li>Conducted empirical analysis on the effects of government officials’ identities on railway stations planning. Presented findings and recommended models/methods for improvement.</li><li>Wrote 3 literature reviews on the definition of Happiness and its measurement in Psychological Economics.</li></ul>	

## PUBLICATIONS

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- “Building Transparent, Accountable & Inclusive Institutions: Report of the Side Event at the Special Session of the United Nations General Assembly against Corruption 2021”, UN DESA, 2021.
  - “2019 China Green Supply Chain Report”, China Green Supply Chain Alliance, 2020.
  - “Parents’ Social Capital, Tiers of Children’s Middle School and Channels of the Selection of School Enrollment: An empirical study using CFPS data”, BA Dissertation, 2020.
  - Nirvana Weekly* on education and current affairs, over 10 issues.

## LEADERSHIP AND SERVICES

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Coordinator, Beijing Han Fu Culture Association, China	Apr 2019 - Present
Co-founder, K16 Education Co., Ltd. (student startup sponsored by Beijing City Government), China	2018
Online Youth Advocate for Environmental Protection, CYCAN & Care About Climate	2018

## SKILLS AND TRAININGS

- 
- English (Fluent), Chinese (Native), Cantonese (Intermediate), Japanese (Basic)
  - MS Office (Word, Excel, PowerPoint); Stata, Matlab, Python, R; MS Access; LaTeX

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**Michael Mahon**

[linkedin.com/in/michael-b-mahon](https://www.linkedin.com/in/michael-b-mahon)

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## EDUCATION

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**Columbia University** | New York, NY 2020-2021

Master of Arts, Economics

Master of Economics Student Association Board Member, *Treasurer* and *Chair of the Social Committee*

**The University of Texas at Austin** | Austin, TX 2014-2016

Bachelor of Arts with Highest Honors, Economics

Minor: Computer Science

Texas Economics Association

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## SKILLS

### Technologies:

Python | R | Stata | SAS | MATLAB | JavaScript  
SQL | NoSQL | HTML/CSS | Git | Linux | AWS  
Docker | SageMaker | LaTeX | Microsoft Office

### Specialities:

Econometrics | Data Visualization | Full-Stack  
Software Engineer | Statistics | Machine Learning  
Advanced Economic Theory | Advanced  
Mathematics | Cloud Computing

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## EXPERIENCE

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**Data Scientist** | Amazon | Seattle, WA 2021

- Completed project for Amazon Payment Products estimated to lift total customer spend on favored payment method by approximately \$200 million if successfully adopted
- Ran complex SQL queries in Redshift and Athena, and distributed preprocessing in PySpark clusters in order to efficiently construct large tabular datasets with billions of rows of customer data for use by supervised and unsupervised machine learning models
- Improved prediction accuracy in regression problem by employing weighted stacked ensembles and creative feature engineering
- Collaborated with colleagues and wrote reports for stakeholders on key findings

**Software Engineer** | Peregrine Cloud Solutions | Austin, TX 2018-2019

- Engineered, architected, and deployed serverless applications w/ AWS Lambda and DynamoDB
- Wrote application code in Node.js, Python, and React

**Software Engineer** | Vulcan Search | Austin, TX 2017-2018

- Engineered software using the MERN technology stack that would automate the analysis of digital marketing data for client reports and manage ad campaigns
- Collaborated in an agile environment in order to formulate and engineer optimal software architecture

**Data Analyst Intern** | Integra, FEC | Austin, TX 2016-2017

- Utilized econometric and statistical methods in order to detect Medicare fraud by analyzing millions of Medicare claims in R and PostgreSQL
- Scrutinized Medicare law in order to formulate empirical models that tested for fraudulent activity
- Collaborated in the development of litigative reports and analyses

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## CERTIFICATIONS

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**HarvardX's Data Science Professional Certificate**

2020

**AWS Certified Solutions Architect - Associate**

2020

**Elements of Computing Certificate (University of Texas at Austin)**

2016

## academics

### **Master of Arts in Economics | Columbia University | Expected: December 2021**

- Relevant Coursework: Economic Policy; Economics of Higher Education; Econometrics, Macro, and Micro sequences
- Cumulative GPA: 3.75

### **Bachelor of Science in Economics | Minor in Media Studies | University of Oregon, Clark Honors College | June 2017**

- Cumulative GPA: 3.87 | Departmental GPA: 4.05

## awards & honors

Phi Beta Kappa Honors Society, Inducted Spring 2017 ■ Cum Laude Latin Honors, University of Oregon ■ Economics Departmental Honors, University of Oregon ■ “Best Individual Honors Thesis,” University of Oregon Economics Department

## skills & certifications

STATA, Data analysis ■ Microsoft Office Suite ■ Adobe Photoshop, InDesign, and Lightroom ■ PSIA Cert 1 Ski Instructor

## research experience

### **Working: The Relationship Between Minority Faculty and Staff Representation and Minority Student Outcomes | Columbia University Master’s Thesis | Expected Completion: November 2021**

- Examining community college efficacy through studying the relationship between faculty and staff demographics, specifically racial profiles, and minority student outcomes at California Community Colleges.
- Using STATA to run empirical analysis and comparing results to those found in previous literature. Proposing additional empirical analysis that, with larger scope, could distinguish clear causal relationships between faculty and student outcomes.

### **“Competition Between Microfinance Institutions and the Formal Banking Sector” | University of Oregon Honors Thesis | Completed June 2017**

- Studied the response of banking sector lending behavior to microfinance institution branch entry.
- Used STATA to run difference in difference regressions to determine changes in lending behavior post MFI branch entry.

## work experience

### **Master of Economics Student Association Academic and Research Chair | Columbia University | Feb 2021 – Dec 2021**

- Develop and organize learning opportunities and materials for members of the 2021 and 2022 Masters of Economics cohorts.
- Key point of contact for incoming students, introducing them to the MAE program and advising them as desired.
- Relay thoughts concerning the program to professors and administration, consistently advocating for the cohort’s interests.

### **Teacher’s Assistant, Intermediate Macroeconomics | Columbia University | May 2021 – Aug 2021**

- Hold weekly office hours and recitations that better student understanding via material review and practice problems.
- Grade assignments and exams, keep track of student participation via zoom statistics, and respond regularly to questions.
- Curate and monitor technology that allows for student collaboration in the 100-person zoom class.

### **Upper School Instructor and Technology Coordinator | The Bush School | May 2019, Aug 2018 – Jan 2019**

- Taught upper school students photo editing and design skills, emphasizing collaboration, autonomy, and time management.
- Implemented new hardware and software where needed and monitored community workspaces and tech rental equipment.
- Collaborated with school-wide faculty and staff to facilitate inter-divisional technological innovation and fluency.

### **Test Prep Tutor | Mighty Oak Test Prep | July 2017 – Jan 2018**

- Personalized lessons on critical reasoning, problem solving, test taking strategies, and time management for college admissions tests by asking questions that lent information concerning goals, learning style, and stressors.
- Was entrusted with management, scheduling, and monitoring student affairs when employers were out of town.

### **Director, Clark Honors Introductory Program (CHIP) | University of Oregon | Feb 2016 – April 2017**

- Hired, trained, and managed student CHIP teachers, training them in pedagogy, mentorship, syllabus writing, and budgeting.
- Worked with my co-director in program enhancement, administrative tasks, budgeting, and event planning, including coordinating and running New Student Orientation and Week of Welcome for the Honors College.

### **Tutor, Student Athlete Association | University of Oregon | Sept 2015 – Sept 2016**

- Tutored student athletes in economics and math, holding group study sessions prior to exams, guiding students in curating personalized study guides, and helping them gain organizational and time management skills.
- Regularly communicated feedback on daily tasks and general student performance with athletic coordinators and staff.

### **Teacher, “Behave!” (’15) and “Ethics” (’14), Clark Honors Introductory Program | University of Oregon | Fall 2015, 2014**

- Taught a class on behavioral economics and co-taught a class on ethics to freshmen in the honors college.
- Managed the curriculum, syllabus, and budget for the class while acting as a mentor and constant resource to the students.

## Tao Dong

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Address: 202, Unit 1, Building 11, Wufulinglongju, Beijing, China 100097

### EDUCATION

**Columbia University**, New York, U.S. Sep 2020- Present

Master of Economics

**Peking University**, Beijing, China Sep 2013-Jul 2016

Master of Engineering in Software Engineering

GPA: 3.83 /4.0

**Capital University of Economics and Business (CUEB)**, Beijing, China Sep 2007-Jul 2011

Bachelor of Economics in Taxation

GPA: 3.48 /5.0 (3.53/4.0)

### PROFESSIONAL EXPERIENCE

*Officer, Head Office of Agricultural Development* Jul 2016- Sep 2020

**Bank of China (ADBC)**, Beijing, China

- Analyze China's agricultural industry and China's agricultural policy;
- Track China's grain and cooking oil market supply, demand and pricing;
- Examine and approve loan projects of large-scale agriculture-related enterprises;
- Investigate grain production and trade situation.

*Teaching Assistant, Energy Economics Course*, Peking University Sep 2014-Jan 2015

- Marked assignments and exam papers and helped resolve student problems.

*Partner, Coal Trade*, Linfen, China Oct 2011-May 2013

- Facilitated transactions between steel and coal manufacturing plants.

### PROJECT EXPERIENCE

*Member, ADBC Loan Product Development* Oct 2019- May 2020

- Participate in the development of new loans encouraging lending companies to use agricultural futures to reduce loan risk and write feasibility report.

*Member, Diversification of China's Grain Reserves* May 2019- Feb 2020

- Study the rational ways in which private companies participate in China's grain reserves and write research report.

*Investigator, Xiamen Xiangyu Group Credit Investigation* Aug 2018

- Investigated the group in different provinces and completed credit report.

*Member, ADBC Bond Underwriting Committee* May 2018-Oct 2018

- Analyzed feasibility and risk of underwriting bond and took a vote.

*Investigator, Grain Trade Marketization Situation Investigation* Feb 2018

- Visited Jiangsu and Shandong to learn the process of grain planting, trade, storage and processing, and wrote Investigation Report on the Marketization of Grain Markets.

*Participant, ADBC Poverty Alleviation in Poverty-stricken Areas* Jul 2016-Jan 2017

- Participated in several poverty alleviation projects in Hebei.

### ACTIVITIES

*Participant*, Grain Industry Alliance Forum Dec 2018

*Participant*, Grain Industry Market Summit May 2018

### AWARDS & HONORS

Second Scholarship, CUEB (x2) May 2008 & May 2009

Third Scholarship, CUEB (x3) Nov 2008 & Nov 2009 & Apr 2010

# Yuya Wang

yw3523@columbia.edu

## EDUCATION

**Columbia University New York, United States**

09/2020 ~ present

• **Major:** Master of Arts in Economics

**Current GPA:** 3.83/4.0

**Shanghai University Shanghai, China**

09/2015 ~ 07/2019

• **Major:** Mathematics and Applied Mathematics

**Overall GPA:** 3.71/4.0

• **Honors:** The Third Honor Roll (09/2016, 09/2018), Allocation Scholarship (09/2016, 09/2017, 09/2018), School Second-class Scholarship (09/2018), Excellent Student Leader (2017, 2018)

• **Relevant coursework:** Microeconomics, Macroeconomics, Monetary Banking and Securities Investment

## RESEARCH EXPERIENCE

**Research on Entrepreneurial Finance and Venture Capital Industry**

02/2021 ~ present

Research assistant/ Supervisor: Ye Zhang (PhD Student in Columbia)

• Reformatted the survey answers to panel data, reviewed the survey question that is planned to be used for IRR analysis and made suggestions

• Used STATA to do data cleaning and statistical analyses

**Research on Global Value Chain and China's Foreign Direct Investment Upgrade**

10/2018 ~ 07/2020

Second author/ Supervisor: Prof. Youde Dong

• Collected relevant papers concerning global value chains, extracted and recorded useful information to gain actionable insight for the research

• Wrote a summary about the development of GVCs and analyzed the computing method of GVCs embeddedness

**Research on Evaluation Method and Application of Company Equity Value**

06/2017 ~ 04/2019

Assistant/ Supervisor: Prof. Yirong Ying

*Sustainability and Uncertainty of the Development of SMEs* (Fourth Author, ISBN: 978-1-60595-612-1)

• Summarized the development problems of small and medium-sized science and technology enterprises in Shanghai

• Proposed relevant suggestions in government funding support mechanism, corporate capital promotion method, market space development and income tax preferential policies

*A new method for the exact solution of duffing equation* (Fourth Author, ISSN: 2327-4379)

• Constructed quotient trigonometric function, and used nonlinear algebraic equation set theory and method for the solution of nonlinear Duffing differential equation

• Obtained the exact solution of Duffing equation with constant variation method, and solved cubic equations and general solution of the homogeneous equation of Duffing equation with appropriate Constant and function

*Dynamic Analysis of Rumor Spreading Mechanism Based on Life Cycle Model* (Third Author, ISSN: 1742-7835)

• Analyzed how every acting is completed in the rumor spreading system with the approach of mathematical economics

• Established the model to analyze the influence of rumor spreading on financial market and the turbulent evolution under the time-delay effect

**Research on Recommendation system of music application with Machine learning**

03 ~ 06/2018

• Analyzed the principle of machine learning with matrix decomposition and added the loss function to obtain the result

• Studied supporting vector machine (SVM) when it is linear separative through calculating the decision function and compared the SVM under the circumstances of functional margin and the geometric margin

• Delivered the group presentation and wrote the final report

## INTERNSHIP EXPERIENCE

**Assistant of General Manager/Beijing Fellow Partners Investment Management Co., Ltd**

08 ~ 09/2019

• Assisted in the administrative affairs of General Manager as well as took and sorted out the meeting minutes

• Conducted the marketing analysis under the supervision of GM to support the company's investment projects

• Collected, sorted out and analyzed the financial statements of Shenzhen EASOU Technology, summarized its pros and cons with its competing companies, and helped create the final report

## SKILLS & INTERESTS

**Programming:** SQL, C, C++, VB

**Software:** STATA, SAS, MATLAB, Oracle, Microsoft software

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

# Shenkai Wu

Email: [shenkai.wu@columbia.edu](mailto:shenkai.wu@columbia.edu), Mobile: +86 15221809327

## EDUCATION

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- Columbia University, New York City, US** **Expected 09/2020 - 12/2021**
- Master of Arts in Economics
- Shanghai University of International Business and Economics, Shanghai, China** **09/2016 - 07/2020**
- Bachelor of Economics in Finance (English-medium Experimental Class), GPA: **3.86/4.0**
  - **Honors:** First Class of Academic Excellence Scholarship (5%, 10/2019); Second Class of Academic Excellence Scholarship (10%, 09/2018, 04/2019); Third Class of Academic Excellence Scholarship (20%, 04/2018)
- University of Manchester, Summer Session (Non-Credit), Manchester, UK** **07/2018 - 08/2018**
- Courses: Portfolio Management (85/100) and Derivatives (83.33/100)

## PUBLICATIONS & RESEARCH EXPERIENCE

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- The Financial Effect of China-US Trade War, Shanghai, China** **01/2020 – 04/2020**
- Launched time series and event study analysis on the Chinese and US bond market with models
  - Composed bachelor's dissertation based on this research and achieved A from the professor
- Influence of 7/10/2018 200-billion-dollar Tariff on Abnormal Return of Chinese Stock** **03/2019 – 06/2019**
- Launched an Event Study Model on the abnormal return of 10 Chinese stocks with SAS
  - Achieved A from the professor for overall performance in the project
- Internet Innovation & Entrepreneurship Competition | Team Leader, Shanghai, China** **05/2017-08/2018**
- Spearheaded the market research and chose the Sharing Economics as topic; discovered the great potential of sharing umbrellas in early 2017, one step ahead of the lately spring-up sharing umbrellas in the real market
  - Calculated the cost and profit based on data from network and field surveys, i.e., the precipitation and areal distribution of the previous 5 years, ideal locations of the umbrella box, the ways to ensure consumers return umbrellas
  - Composed the Advantage of Shared Economy sector in the thesis *The Current Situation of Sharing Economy and Existing Problems*, which was accepted by *the E-Commerce Letters*, 2018, 7(3): 25-31

## INTERNSHIPS

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- China Securities Co., Ltd.** Shanghai, China  
*Intern, Investment Banking Department* 08/2018, 1/2020
- Archived the relevant documents after the corporate bond issuance of STEC to facilitate the follow-up work
  - Assisted in writing working papers of M&A of Lianming company
- Softbank China Venture Capital** Shanghai, China  
*Intern, Post-Investment Management Department* 07/2019
- Assisted in the due diligence of an invested textile company, evaluated the company's profitability by analyzing its joint ventures' articles of association, financial statements, and other materials
  - Made competitor analysis, communicated with textile students and professors, and wrote a research report on the quality and cost of dyeing to facilitate the strategic development of the funded company
- KPMG Huazhen** Shanghai, China  
*Intern, Audit Department* 01/2019 - 03/2019
- Implemented on-site due diligence on Friendtimes (a rising internet company in China), responsible for vouching, data acquisition, supervising, bank confirmation requesting, product testing, and tax payment
  - Conducted product testing of Friendtimes and provided feedback to the supervisor

## SKILLS

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- **Languages:** Mandarin (native); Cantonese (conversational); English (Proficient); French (elementary)
- **Statistical Analysis Tools:** Stata, R, SAS, LaTeX, MATLAB, EViews
- **Database:** Wind, WRDS, CSMAR

# LINQI XIAO

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Mobile:(+1)3322012000 / (+86) 15910325628

## EDUCATION

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**09/2020-12/2021**     **Columbia University in the City of New York**     **New York, NY**

Master of Arts in Economics

Main courses: Microeconomics analysis (A+), Econometrics (A+), Macroeconomics analysis (A)

**09/2016-07/2020**     **Beijing Institute of Technology (BIT)**     **Beijing, CHN**

International Economics and International Trade, Bachelor of Economics

GPA: 3.69/4

Main courses: Applied Statistics (100), Linear Algebra (100), Microeconomics (95), Accounting Principle (99)

**09/2018-12/2018**     **University of California San Diego**     **San Diego, CA**

Rady school of management

GPA: 4/4

Main Courses: Business Analytics (A+), Personal Finance (A+), New Venture Finance (A)

## INTERNSHIP EXPERIENCE

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**07/2019-01/2020**     **Volkswagen group China**     **Beijing, CHN**

Sales Steering Intern

- Used Excel to generate statistics of inventory, export and release daily inventory data, and analyze the sales volume for manager
- Collected customer data from dealers of Volkswagen Import Group China, integrated and analyzed the data to identify market opportunities, made personas of target customer
- Released and traced the implementation of sales policies, and calculated the rebate for dealers

**03/2021-06/2021**     **Mars & Wrigley Confectionery (China) Co., Ltd.**     **Guangzhou, CHN**

NKA development Intern

- Collected and maintained e-commerce sales data, calculated the target achievement rate, and assisted in analyzing the feasibility of the marketing department 's and the sales department's targets
- Used Power BI and Excel to collect and analyze the sales data of the top 10 customer groups, and made daily and weekly reports. Integrated data of key customer groups and analyzed the year-on-year growth rate.
- Assisted various departments to communicate and promoted the internal flow of sales data.

## PUBLICATION & RESEARCH

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**06/2018-09/2018**     **The Current Situation and Future Development Direction of China's Social Co-government Channels in the New Era**     **Beijing, CHN**

- Designed and implemented the questionnaire investigation
- Used cross tabs to process the data and analyze the distributions and proportions in different ages in SPSS
- Made suggestions on the policy of China's social co-government channels

**06/2018-03/2019**     **Would the Decoupling of Electricity Occur Along With Economic Growth? Evidence from the Panel Data Analysis for 100 Chinese Cities, Published on Energy, Energy 180(2019)615-625**     **Beijing, CHN**

- Collected data from China Urban Statistical Yearbook 2000-2016 and China Statistical Yearbook 2000-2016
- Learned EViews and Stata by myself and used them to deal with 100 prefecture-level cities' dynamic panel data to explore how electricity consumption changed along with economic growth
- Adopted the first-order difference Generalized Method of Movements (GMM) estimator to examine the relationship between the decoupling indicator of electricity consumption and economic growth

## TECHNICAL SKILL

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- Coding: Python, Stata, MATLAB, SQL, EViews
- Others: Word, Excel, PowerPoint

# XIAO HUANG(CATHERINE)

Phone: (617) 794 7014  
Email: xh2460@columbia.edu  
New York, NY 10027

## Education

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- COLUMBIA UNIVERSITY** – Master of Arts in Economics – New York, NY Expected 09/2020-12/2021
- Relevant Coursework: Advanced Microeconomics, Advanced Macroeconomics, Advanced Econometrics
- UNIVERSITY OF CALIFORNIA, SAN DIEGO** – Bachelor of Arts – San Diego, CA 09/2016-03/2020
- Major: Economics (GPA: 3.97/4.0); Minor: Accounting (GPA: 3.95/4.0).
  - Academic Honor: Provost Honors, Cum Laude(Top 14%),Department Honor with Distinction
- LONDON SCHOOL OF ECONOMICS** – London, UK 06/2018-07/2018
- Relevant Coursework: International Economics (GPA: 4.0/4.0)
- YONSEI UNIVERSITY** – Seoul, Korea 06/2017-08/2017
- Relevant Coursework: Intermediate Macroeconomics (GPA: 4.0/4.0)

## Professional Experience

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- COLUMBIA UNIVERSITY** – **Research Assistant** – New York, NY 09/2020 – 05/2020
- Work with a PhD candidate on her project of estimating effect of whole foods entry in the U.S on consumer welfare. Main tasks include helping to write and run code in STATA and Bash Shell, doing robustness checks and qualitative research.
- CORNERSTONE COMMUNITY CONSULTANT** – **Economic Consultant Intern** – La Jolla, CA 10/2018 – 06/2020
- Led a consulting project on operations improvement for a local clothing brand called Triton Outfitter. Conducted research on the client's business model, product sales performance, organizational structure, and existing binding contracts. Analyzed room of improvement in project planning and management, and recommended productivity tools for the client.
  - Led a consulting project for a local bubble tea store called Camellia Rd. Helped the business to strength brand image, design re-opening campaigns and improve marketing strategies.
- HWABAO FUND MANAGEMENT** – **Clearing & Registration Department Intern** – Shanghai, China 08/2018 – 09/2018
- Proofread the financial statements of over 60 funds in preparation of the making and publication of Half-year Statement. Looked into historical data of the funds to verify the consistency of financial data.
  - Sorted financial documents and historical funds data. Updated company stocks and funds information. Helped with faxing and doublechecked the authenticity of fax contents with banks.
- BANK OF SHANGHAI** – **Risk Management Intern** – Shanghai, China 07/2018 – 08/2018
- Reviewed various types of loan cases (Syndicated Loan, Individual Home Mortgage Loan, Corporation Loan, etc.) and inspected stamp validity on loan contracts.

## Leadership

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- UCSD TEACHING AND LEARNING COMMONS** – **Supplemental Instruction Leader for Economics** 09/2018-04/2020
- Held three self-designated sessions per week to help students with difficult academic concepts. Promoted collaborative learning among students by designing interactive learning activities and session missions and offered concept maps and visual guides to help students review their strengths and room of improvement.
- UCSD DEPARTMENT OF ECONOMICS** – **Problem Sets Solving Lab (PSET Lab) Tutor** 04/2019-04/2020
- Assisted students with Upper-division Econometrics course questions from problems sets and past exams. Offered tips on problem solving, and doublechecked whether the students had understood the key to their problems by heart.
- UCSD DEPARTMENT OF ECONOMICS** – **Undergraduate Instructional Apprentice** 01/2019-04/2019
- Supported academic matters for an undergraduate upper-division course under the supervision of a faculty member. Held weekly office hours. Proctored and graded exams.

## Skills

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**Languages:** English (fluent), Mandarin Chinese (native), Korean (conversational)

# YU LIU

## EDUCATION

- 
- Columbia University** 09/2020-12/2021
- Degree: Master of Arts in Economics
- Central University of Finance and Economics** 09/2016-06/2020
- Degree: Bachelor of Economics
  - Major: Finance; GPA: 92.05/100
  - Scholarship: Comprehensive Development Scholarship (5%); Excellent Scholarship for Social Practice (2%); Scholarship for Excellence in Academic Research and Innovation (3%)

## INTERNSHIP EXPERIENCES

- 
- Sinolink Securities** 05/2019-08/2019
- Investment Bank Department, Assistant**
- Checked the drafted prospectus and revised relevant financial indicators;
  - Searched for public information of newly listed companies, collected their financial data and operational information, regularly updated data, created a template for data analysis, and prepared for the weekly review of issuance examination.
- CITIC Prudential Life Insurance Company** 07/2018-08/2018
- Development Department, Intern**
- Organized annual data for six listed insurance companies, calculated and conducted comparative analysis on related indicators using Excel, explored the development status of the insurance industry;
  - Took external and internal factors into account, summarized indicators under these two factors, drew diagrams, performed horizontal and vertical analysis, and wrote the development report for provincial offices of CITIC Prudential in the next three to five years.

## ACADEMIC EXPERIENCES

- 
- Research Assistant, International Institute of Green Finance** 05/2019-07/2019
- Prepared database of leading stocks, ESG leading stocks database, green bond database along with analysis reports;
  - Collected analysis reports, annual audit reports as well as social responsibilities reports for listed bonds using databases including WIND, CNINF, etc.;
  - Analyzed the green management of major companies according to information disclosure, evaluated them by ESG scores, studied their IPE and negative news, and thereby carried on comprehensive analysis on companies.
- College Student Innovation and Entrepreneurship Project** 05/2018-05/2019
- Research on the *Impact of Household Debt that Exerts on Economic Growth and Financial Stability under Housing Boom***
- Assisted in collecting and organizing data required for models using Wind database, CSMAR, the People's Bank of China website, and National Bureau of Statistics website;
  - Used the fixed effect model, verified the negative effect of household debt on financial stability using STATA, found that the negative effect was worse in the long-term than in the short-term.
- The 17th Challenge Cup Innovation Paper Competition, the First Prize** 03/2018-04/2018
- Research on the *Influence of Foreign Trade and Industrial Agglomeration on Regional Income Distribution in China***
- Utilized data of China's provinces from 2000 to 2016, performed experimental description for trends of income distribution among the eastern, central and western regions, and analyzed the influential factors behind the trends through taking national policies and economic differentiation into accounts;
  - Conducted Time-Series Regression on national and provincial panel data via SPSS, discovered the fact that international trade exacerbated the inter-regional and intra-regional income gaps, and put forward policy advice based on the empirical results.
- College Student Innovation and Entrepreneurship Project, Team Leader** 05/2016-05/2018
- Research on the *Traffic Problem of Shared Bicycles and its Optimal Solution***
- Compared products and financing situations of Mobike and ofo, two giants of the industry during this project, studied the operational performance of major shared bicycles' providers and carried out trend forecast;
  - Studied the traffic problems brought by shared bicycles, took Dongcheng District in Beijing for an example, selected potential locations to park bicycles, filtered selections with the Hybrid Simulated Annealing Algorithm, and assisted in evaluating the overall parking arrangement with fuzzy hierarchy analysis.

## EXTRACURRICULAR ACTIVITIES

- 
- Minister of the Academic Department of the Securities Research Association 09/2017-06/2018
- Belt and Road Summer Social Practice (Team Leader), the first prize 05/2017-10/2017

## AWARDS

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- National Mathematical Competition, the third prize 10/2017
- Central University of Finance & Economics Mathematical Contest, the first prize 07/2017

## SKILLS & HOBBIES

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Computer skills: Microsoft Office, Wind, Access, SPSS, STATA Hobbies: traveling, movies, playing badminton, jogging, playing the piano

# Yujia Zhang

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## EDUCATION

**COLUMBIA UNIVERSITY**, New York, NY **GPA: 3.60/4.00** Dec 2021 (expected)  
*Master of Arts in Economics*

• Relevant coursework: Advanced Econometrics, Advanced Macroeconomics, Advanced Microeconomics, Real Analysis, International Economics, Public Policy

**UNIVERSITY OF MICHIGAN**, Ann Arbor, MI **GPA: 3.80/4.00** Sept. 2017~May 2020  
*Bachelor of Science with Honors in Economics*

*Honors Thesis Topic:* Well-being Equality: The Effect of the Combustible Dust National Emphasis Program

*Bachelor of Science in Mathematics/Actuarial Mathematics*

*Minor: Business at the Ross School of Business, UNIVERSITY OF MICHIGAN*

• Relevant coursework: Macroeconomics, Microeconomics, Applied Economics, Econometrics, Financial Economics, Government Regulation of Industry in Economics, Real Analysis, Corporate Investment Decisions

## EXPERIENCE

**COLUMBIA UNIVERSITY**, New York, NY Sept. 2020~now  
*Research Assistant*

- Assisted professor in the Columbia Sociology Department in cleaning and processing the data.
- Prepared the literature reviews and searched the general information for professor to conduct further research.
- Summarized the timely trend of wage and promotions (external and internal) changes, and ran regressions to test the effects for gender-difference, race-difference, and education-difference.
- Computed occupation-level gender mismatch, and used two different methods to find education and skill mismatch

**BOSTON CONSULTING GROUP**, Shanghai, China Summer 2019  
*Part-time Analyst*

- Conducted several forms and PowerPoint slides to analyze global market for driverless car and ADAS technology to help international companies find suppliers and cooperation opportunities.
- Collected Chinese government policies on fuel cell electric vehicles to analyze potential opportunities for international firms to enter Chinese new-energy vehicles market.
- Researched information about Chinese online car-sale platforms and provided the information to the senior manager to help Chinese local company making the investment decisions.
- Provided daily research and support to the colleagues from different offices to serve international clients.

**CHINA MINSHENG BANK**, Shanghai, China Spring 2019  
*Intern, Risk Management*

- Monitored and managed the risk for cooperate loans by censoring the materials they provided.
- Edited weekly internal periodicals to control the bankers' operation risk.
- Supported the training conferences for business managers from branches based on the new established regulations.

## LEADERSHIP

**MICHIGAN CHINA FORUM**, Ann Arbor, MI  
*Director of Driverless Car Panel*

## AWARDS & HONORS

**Merit Scholarship of Math Department** (2019-2020); **Margaret S. Huntington Prize in Actuarial Outreach** (2018); **James B. Angell Scholar**; **University Honors**

## ADDITIONAL

Proficient in using Stata, C++; Familiar with MATLAB (dynare), R, Python, Machine learning, Deep learning

# Xiao (Meredith) Zhang

email: xz2944@columbia.edu | Columbia University

## EDUCATION

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- **Columbia University | New York, U.S.**  
Sep.2020 - Expected Dec.2021  
*Master of Arts in Economics*  
**Core Courses:** Macroeconomics, Microeconomics, Econometrics, International Economics
- **Central University of Finance and Economics | Beijing, China**  
Sep.2016 - Jul.2020  
*Bachelor of Science in International Monetary and International Financial Direction of Finance*  
**GPA:** 92/100  
**Core Courses:** Mathematical Analysis, Investment, Financial Markets, Commercial Bank Management, Statistics, International Finance, Financial Economics  
**Honors:** Scholarship from School of Finance for Excellence in Academics, 2018; Honorable Mention at the American Interdisciplinary Contest in Modeling, 2018

## EXPERIENCE

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- **China Guangfa Bank | Beijing, China**  
Jul.2019 - Aug.2019  
*Intern as Assistant Account Manager at the Corporate Business Department, Yuetan Branch*
  - Collated and organized information of perspective clients from various sources;
  - Conducted data analysis for the department via Excel;
  - Wrote reports analyzing financial data and potential risks of the clients;
  - Assisted the department in filing documents, checking for errors and contacting other departments whenever needed;
  - Attended training sections introducing new policies and techniques

## SKILLS & INTERESTS

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- **Languages:**  
English (GRE 334, TOEFL 112)  
Mandarin (native)

## LEADERSHIP & ACTIVITIES

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- **Student Union of School of Finance | CUF**  
*Member of the organization department, 2016 - 2017*
  - Organized team-building activities for the school;
  - Worked closely with the Publicity Department for documentation and publication of events
- **Anime Club | CUF**  
*Member and Vice Director of the Doujin Department*
  - Worked with members in the department to design posters and brochures for weekly and annual activities;
  - Organized routine activities for the department
- **Beijing Aquarium | China**  
*Volunteer, 2017*
  - Provided help to the tourists and assisted the staffs with promoting information on protecting the ocean

## PROJECTS

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- **The Effect of China's Fiscal Policy Communication on Financial Market**  
*School of Finance, CUF, 2018 - 2019*
  - Conducted research on central bank communication and fiscal communication;
  - Established a database for China's fiscal policy communication by events and key words using the official website of Ministry of Finance of the People's Republic of China;
  - Used EGARCH model to analyze the impact of those events on financial market volatility
- **Social Project on China's Targeted Poverty Reduction Policies**  
*Nanyu Village, Hebei, China, 2016*
  - Conducted interviews to investigate the implication of targeted poverty reduction policy at Nanyu village

- **Softwares:**  
Proficient in Microsoft Excel, Word, Stata, LaTeX  
Familiar with Matlab, Adobe PS, ID, PR

# YING ZHANG

New York, NY • 609-356-6796 • [yz3669@columbia.edu](mailto:yz3669@columbia.edu) • Permanent Resident

## EDUCATION

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<b>Columbia University</b> M.A. in Economics; GPA: 3.92 • Relevant coursework: Advanced Macroeconomics, Econometrics, Financial Economics, Policy Analysis, Programming Language: Python	<b>New York, NY</b> 08/2019 - 12/2021
<b>The College of William and Mary</b> Bachelor of Arts; GPA: 3.79 • Double major: Economics (GPA: 3.97), Art History (GPA: 3.72) • Dean's List (2015, 2017, 2018); Leslie Cheek Scholarship in Art History (2016 - 2017) • Relevant coursework: Macroeconomics of Development, Econometrics, Bayesian Econometrics	<b>Williamsburg, VA</b> 09/2015 - 05/2019
<b>Universitat Autònoma de Barcelona</b> Study Abroad	<b>Barcelona, Spain</b> 09/2016 - 12/2016

## WORK EXPERIENCE

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<b>Regional Economic Models, Inc</b> <i>Full-time Analyst</i> • Used the integrated REMI modeling approach to analyze the economic and demographic effects of fiscal policy change and infrastructure investments on a regional macroeconomic level • Expanded the forecasting capabilities of the household demographics module within the REMI model • Assisted state and local governments with data updates, policy simulations and research projects • Tested new regional economic models for forecasting errors; calibrated models with current data • Prepared Input-Output model demonstrations and presented in webinar series	<b>Amherst, MA</b> 08/2020 - 05/2021
<b>Konsalidon Management Consulting</b> <i>Research &amp; Consulting Intern</i> • Conducted market research and identified potential target companies for an online consulting platform created during COVID-19 • Collaborated with colleagues to create proposal and pitch presentations • Simplified the client intake form for business formation and improved the efficiency of the onboarding process	<b>Remote</b> 03/2020 - 07/2020
<b>Colonial Williamsburg Foundation, DeWitt Wallace Decorative Arts Museum</b> <i>Curatorial Intern</i> • Conducted contextual research for 44 eighteenth-century ceramic factories • Wrote paragraphs for the museum's catalog	<b>Williamsburg, VA</b> 09/2017 - 12/2017

## RESEARCH AND PUBLIC SPEAKING EXPERIENCE

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<b>Modeling Profit Using Financial Ratios: A Bayesian Approach</b> • Applied Bayesian estimation techniques to a hierarchical model; used Python for data cleaning and analysis	01/2019 - 05/2019
<b>A Study of Labor Market Competition through Experimental Economics</b> • Designed a 2-treatment economic experiment and recruited 30 participants; used Stata for data analysis	01/2018 - 05/2018
<b>Hunter Museum of American Art, Student Symposium</b> • Delivered a 30-minute open-to-public presentation titled <i>Portraying the Politics of Difference: Benjamin West, Race, and Transnationalism in Colonel Guy Johnson and Karonghyontye</i> based on independent research	01/2018 - 05/2018

## SKILLS

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- Python, Stata, Latex, SAS, Matlab, ArcGIS, Excel, Access; Mandarin Chinese