

Chengyu Wu

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EDUCATION

Fudan University

Bachelor of Mathematical Economics

Shanghai, China

Sep 2021 - Jun 2025

- **GPA:** 3.66/4.0; 92/100 *H: Honors class
- **Honor:** First-Class Scholarship for 2023-2024, Third-Class Scholarship for 2022-2023
- **Courses:** Mathematical Analysis, Linear Algebra, Probability Theory and Mathematical Statistics, Intermediate Micro/Macroeconomics, Econometrics (H), Econometric Analysis of Cross Section and Panel Data (H)
- **Academic interests:** Labor economics, Applied microeconomics

UCSD

Semester Exchange Program

San Diego, USA

Sep 2024 - Dec 2024

- **Relevant courses:** Machine Learning, Optimization methods, Real Analysis, Microeconomics (Doctoral-level)

RESEARCH EXPERIENCE

Superstar Spillovers in Teams: Evidence from Professional Soccer

San Diego, USA

Research Assistant; Advisor: Prof. Qiwei He, the University of Edinburgh

Sep 2024 - Present

- Studied the long-term spillover effects of star members within a team; Planned to design an event-study analyzing the impact of introducing star players in non-top-tier leagues by comparing the detailed performance of local players before and after a star player joins but subsequently gets injured, controlling the crowd-out effect
- Scraped match-level data with Python, including position, accurate passes, fouls, tackles, etc., from 2014 to 2024 for the CSL and MLS leagues from the *Goaloo* website, as well as complete player profiles from the *TransferMarket* website which included complete injury records, transfer fees for each transfer
- Categorized the matches into four types in Stata by merging player performance data and injury data - before and after the star player's arrival, after the star player's arrival but during their injury, after the star player's departure – which prepares for subsequent event-study.

Economics Policy Uncertainty and Firms' Informal Employment Preference

San Diego, USA

Research with Coauthors; Advisor: Prof. Zhao Chen, Fudan SOE

Oct 2024 - Present

- Studied the impact of economics policy uncertainty on firms' employment decision; Found that an increase in economic policy uncertainty raises the probability of hiring interns during the COVID-19
- Collected firms' employment characteristics based on recruitment data from major Chinese job websites from 2016 to 2024 and identified keywords for determining the firms' recruitment type in Stata
- Searched keywords related to economic policy coverage in various newspapers and constructed indices for the national, provincial, and industry-level economic policy uncertainty in Python
- Intended to build on the data on firms' demand for informal employment based on Shixiseng, that describe their more detailed internship recruitment needs, including contract duration and other details for further research

Talent Policies and Firms Hiring Decisions

Shanghai, China

Independent Research (sole author); Advisor: Prof. Zhao Chen, Fudan SOE

Mar 2024 - Present

- Studied the impact of city-level talent policies on the labor hiring decisions of local firms in China
- Read over 40 papers on related issues to form a literature review, obtained the China Industrial Enterprise Database, the China Tax Survey Database and other key data from colleges and other online sources, and utilized Stata for data cleaning to form panel data at the city and enterprise level from 2005-2017
- Conducted a panel PSM-DID regression with fixed individual effects in Stata to validate the direct effect of the talent policy on promoting local innovation activities. Found that the talent policy was effective in expanding the scale of employment of the local labor force, and prompted the government to improve the amenities and environmental construction of the local city as a means of competing for talent

Data Collection of China's County Records

Shanghai, China

Research Assistant; Advisor: Prof. Yuan Zhang, Fudan SOE

Mar 2024 - Present

- Collected data for the study of the correlation between cotton cultivation, grain procurement, number of communes and local household behavior during the planned economy
- Garnered county records in databases such as DuShow and Wanfang, and prepared an electronic database based on the information provided therein, with a total of approximately 30,000 entries

Construction of Chinese City-level Database

Shanghai, China

Research Assistant; Advisor: Prof. Zhikuo Liu, Fudan SOE

Mar 2023 - Mar 2024

- Gathered statistical yearbook data at city-level, covering about 30,000 observations on roads, water and electricity, industrial structure, etc.
- Used Python for document processing and merging and then applied Stata for data cleaning, querying and correcting, transferred the processed data into usable formats; initially completed the construction of a database at the local municipal level and managed it through DBever

Literature Review on Infrastructure in China

Shanghai, China

Research Assistant; Advisor: Prof. Hong Song, Fudan SOE

Jul 2023 - Aug 2023

- Collected about 60 academic papers related to infrastructure in recent years and organized them according to different categories such as transportation, information, etc.; summarized the data sources, research objectives, research methods, and findings of the papers, which mainly used DID, IV, and panel regression research methods
- Focused on the efficiency of infrastructure investment, its impact on local corporate productivity and the impact of different types of infrastructure, and found that new types of infrastructure, represented by network broadband, exert a further impact on the provision of market information and business management
- Generated a well-developed literature review in the field of infrastructure research that discusses novel infrastructure types or the impact of infrastructure on individual decision-making

PROFESSIONAL EXPERIENCE

Guoyuan Securities Company

Shanghai, China

Energy Group Intern. Four days a week, eight hours a day

Jul 2023 - Sep 2023

- Studied the energy industry by collecting the latest information on the mining volume and market share of four major coal mining enterprises in Anhui Province from annual reports; predicted the future trend of changes in the size of the coal market and the market share of the enterprises; found a steady decline in total coal mining
- Examined futures exchange guidebooks and corporate accounting audit reports; found that the recovery of demand for downstream photovoltaic power generation panels led to the continued expansion of upstream monocrystalline silicon production capacity and price increase of monocrystalline silicon; proposed given monocrystalline silicon's high price that the manufacturing raw material for photovoltaic power generation would begin to fall after year-end
- Collected information on the IPO process, listing price, etc. from iFinD, Choice, and other financial terminals every two weeks, and completed weekly reports and other daily affairs

China Quzhou Taxation Administration

Quzhou, China

Office Assistant. Five days a week, two hours a day

Jul 2024 - Sep 2024

- Promoted and guided mobile tax processing and assisted taxpayers in self-service operations.
- Helped to organize invoices and learned about the electronic invoice reform process and the use of the system by the China State Taxation Administration.

ACTIVITIES & COMPETITIONS

China Mathematical Modeling Competition

Shanghai, China

Third Prize

Sep 2023

- Selected the topic "Automated pricing and replenishment decisions for vegetables", and developed a scientific pricing and replenishment strategy based on tens of thousands of data provided on the historical sales price, quantity, cost of goods, and wastage rate of vegetables in supermarkets
- Processed and visualized the provided data in Python and SPSSPRO, outputted simple statistical features, and analyzed the correlation between the sales quantity and prices between different vegetable types using heat maps
- Run an ARIMA model in Stata to fit and predict the data, obtain the optimal vegetable replenishment and pricing strategy for the profit maximization scenario, and summarize the output into a paper

UBS Consulting Business Competition

Shanghai, China

Top 100 Team of the Year 2023

Apr 2023

- Conducted market outlook analysis for a top toy manufacturer and designed marketing strategies for expansion
- Developed a "Green" themed product strategy, and implemented the concept of environmental protection and health in product manufacturing, product design, and online platform construction

China Economic Discussion Course

Shanghai, China

Group Member; Advisor: Prof. Zhikuo Liu, Fudan SOE

Sept 2022 - Jan 2023

- A discussion class for sophomores and juniors on China's economy, led by Professor Zhikuo Liu
- Met each week reporting and expanding on a chapter of the book "The Chinese Economy" covering China's rural policy, urban enterprise system reform, foreign trade policy, etc., and participated in questions and discussions
- Reported and hosted a discussion about China's rural economic reforms and current important issues, with a focus on the pros and cons of China's new rural cooperative medical system reform

OTHERS

Technical: Python, Stata, SQL, R
Language: Chinese Mandarin (native), English (fluent, IELTS:7)
Interests: Basketball, Table tennis, Classical music