

EDUCATION

Master of Management | Peking University

Sep. 2023 - Present

- **Major in Education Economics and Management** Current Grade: **3.57/4**
- Main Course Scores: **Advanced Econometrics (B+)**, **Innovation Economics and Science & Technology Fiscal Policy(A+)**, **Social Networks(A)**, **Science, Technology and Political Changes(B+)**
- Research Focus: **Innovation Economics and Science & Technology Fiscal Policy**

Bachelor of Management, Bachelor of Economics | University of Chinese Academy of Social Sciences

Sep. 2019 - Jun. 2023

- **Major in financial management** Final Grade: **3.72/4** Grade ranking: **2/18**
- **Minor in economics** Final Grade: **3.79/4**
- Main Course: **Calculus II (100)**, **Calculus I (83)**, **Probability and Statistics (99)**, **Python (97)**, **Statistics (94)**, **Econometrics (97)**, **Intermediate Microeconomics (90)**, **Intermediate Macroeconomics (85)**, **Financial Management (93)**, **Economics of Money (91)**
- Management Bachelor Thesis: The Impact of Enterprise Digital Transformation on the Quality of Accounting Information- **Awarded Excellent Grade**
- Economics Bachelor Thesis: High-Speed Railway Expansion, Human Capital Mobility, and Industrial Structure Upgrading- **Awarded Excellent Grade**

RESEARCH PROJECTS

Innovation Structure and Revenue Distribution in Blockchain Open-Source Ecosystems

Sep.2025 - present

- **Principal Researcher** **Working in progress** Supervisor: **Mingxing Liu (Prof., Peking University)**
- Using proposal and developer modules from my dataset, classified blockchain open-source innovation—based on the layered technical stack—into protocol-layer and application-layer components, and **constructed measures of ecosystem innovation structure and innovation intensity** to track how they evolve across market cycles.
- Found that protocol-layer and application-layer innovation alternately take the lead at different stages of the market cycle, jointly driving ecosystem development; ongoing work investigates the underlying resource and revenue allocation mechanisms that sustain this innovation pattern.

Reframing Money: Blockchain-Native Tokens as Endogenous Drivers of Innovation and Growth in Decentralized Economies

Nov.2024 - Aug.2025

- In Cooperation with Dong Zhang (Assoc. Prof., Division of Social Science, HKUST) **Working Paper**
- Supervisor: **Mingxing Liu (Prof., Peking University)**
- **Built API-based data collectors to construct a multi-layer dataset that combines:** (i) trading and market data, unstructured tokenomics text for 10,000+ cryptocurrencies; (ii) developer identity and development behavior from GitHub; (iii) per-block information from major blockchains, including validator/staker identity and reward structure, sourced from each blockchain RPC endpoints; and (iv) a panel of 300+ on-chain economic activity indicators. **Available at jing1201121.github.io/shangjing-acad/**
- Built **Python-based pipelines that call LLMs** to automatically extract tokenomics information from textual descriptions of cryptocurrency economic models, **transforming unstructured narratives into structured variables**.
- Developed a “**productive deflationary token**” framework that models blockchain-native tokens as endogenous drivers of innovation and ecosystem growth, and used descriptive statistics on token trading and on-chain activity data for 250+ cryptocurrencies to test its empirical implications.
- Found that productive deflationary tokens channel seigniorage to “ecosystem expanders” and adjust incentive strength through anti-inflation mechanisms, supporting ecosystem expansion and more resilient token demand.

Returnee Scientists' Academic Performance and Network Position: A Case Study of a National Key Laboratory in Information Science

May 2024 - Jul.2024

- **Principal Researcher** Final Project for the course Advanced Econometrics
 - Supervisor: Qiong Zhu (Asst. Prof., Peking University)
 - Processed researchers’ CVs and publication data to analyze the academic performance of returnee scientists, and used **social network analysis** to characterize their positions in the scientific collaboration network.
- High-Speed Railway Expansion, Human Capital Mobility, and Industrial Structure Upgrading** Mar. 2022 - Sep. 2022
- **Principal Researcher.** Final project for Graduation Thesis (Bachelor of Economics)
 - Supervisor: Yaowu Wu (Researcher, IPLE, CASS)
 - Cleaned and merged China’s 2010 population census and 2015 1% population survey data, and used a **DID** design to examine how high-speed rail expansion affects human capital flows across prefecture-level cities.

RESEARCH EXPERIENCE

- China Institute for Educational Finance Research, Peking University | Research Assistant** Sep.2024 - Jul.2025
- Built and deployed **interactive LLM-based automation pipelines** to clean and standardize **350k+ AI publications**, including author name disambiguation and institutional attribute identification.
Available at jing1201121.github.io/shangjing-acad/
 - Constructed knowledge graphs of AI research domains in the industry and academia in the United States and China
 - Implemented **LLM-assisted named entity recognition** in Python and constructed **knowledge graphs** for the policy analysis of the “History of Educational Investment in the People’s Republic of China” project.
- Beijing Migrant Children's Asset Establishment Plan Project, CIEFR | Executive Leader** Oct.2022 - Dec.2023
- Assisted Yingquan Song (*Associate Researcher, CIEFR*) on research supported by the NSFC Major International Cooperation Project (Grant No. 71110107028) and the Hong Kong Youth Development Fund.
 - Designed survey and research plan, coordinated a research team of 25 people to complete online research on more than 1,000 students of Beijing migrant schools; Coordinated the team to complete the qualitative analysis of research data and interview texts.
 - Cleaned the data obtained from the survey and match the baseline data for preliminary analysis using **Stata**
- Institute of Population and Labor Economics of Chinese Academy of Social Sciences | Research Assistant** Sep.2020 - Dec.2021
- Assisted Yaowu Wu (Researcher, IPLE, CASS) on the NSFC-funded project “Bedtime Story Intervention and Non-cognitive Skills Development in Rural Boarding Schools: A Randomized Controlled Trial” (Grant No. 71973150).
 - Conducted field surveys and administered questionnaires; Processed and cleaned survey data using **Stata**

AWARDS AND SCHOLARSHIPS

- Special Scholarship (Academic Master’s Program) | School of Education, Peking University** Oct. 2024
- Outstanding Graduate (University Level) | UCASS** Jun. 2023
- Gold Award, “Challenge Cup” Capital University Students Entrepreneurship Plan Competition** May 2022
- Project: Leader of Integrated Revitalization of Alkaline Tomato Industry
- Third prize of the 13th National Mathematics Competition for College Students (non-mathematics)** Dec. 2021
- Issued by the China Mathematical Society (*Certificate No. CMS(Jing)F20215230*)
- University-level Second-Class Scholarship | UCASS** Dec. 2020, Dec. 2021

SKILLS

PROGRAMMING & SPECIAL SKILLS	LANGUISH	
• Python, Stata, R	TOEFL IBT: 101/120	Oct. 2025
• NLP (text mining, thematic analysis, LLM-based automated extraction)	GRE — General Test: V 159 / Q 170 / AW 3.0	Sep. 2025
• Knowledge Graph Modeling		