

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 (Asst. Prof., Division of Social Science, HKUST) **Working Paper**
- Supervisor: **Mingxing Liu (Prof., Peking University)**
- **Built a multi-layer dataset that combines:** (i) trading and market data and structured tokenomics text for 10,000+ cryptocurrencies; (ii) developer and validator/ staker behavior in the Ethereum, Solana, and BNB Chain ecosystems; and (iii) a panel of 300+ on-chain economic activity indicators. A documented subset is available at jing1201121.github.io/shangjing-acad/.
- Built **Python-based pipelines that call large language models (LLMs)** to automatically extract tokenomics information from textual descriptions of cryptocurrency economic models, **transforming unstructured narratives into structured, quantifiable 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 explore 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 UpgradingMar. 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 AssistantSep.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.
 - Conducted policy analysis for the Special-Post Teacher Program using **LLM-assisted named entity recognition, text mining** and **knowledge graph** to identify policy evolution
 - Participated in the project on the History of Educational Investment in the People's Republic of China, responsible for collecting and organizing historical policy documents on rural education and completing the manuscript section related to this topic
- Beijing Migrant Children's Asset Establishment Plan Project, CIEFR | Executive LeaderOct.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 AssistantSep.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 UniversityOct. 2024
- Outstanding Graduate (University Level) | UCASSJun. 2023
- Gold Award, “Challenge Cup” Capital University Students Entrepreneurship Plan CompetitionMay 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 | UCASSDec. 2020, Dec. 2021

SKILLS

PROGRAMMING & SPECIAL SKILLS		LANGUISH
<ul style="list-style-type: none">Python, Stata, RNLP (text mining, thematic analysis, LLM-based automated extraction)Knowledge Graph Modeling	TOEFL IBT: 101/120	Oct. 2025
	GRE — General Test: V 159 / Q 170 / AW 3.0	Sep. 2025