

SIJIA SHEN

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SKILLS SUMMARY

- **Research Interests:** Applied Microeconomics, **Development Economics**, **Big Data & Machine Learning**
- **Skills:** Research Design, Literature Reviews, Quantitative & Computational Methods, Data Collection & Analysis, Data Visualization, Project Management, Academic & Professional Writing, Collaboration
- **Technical:** Stata, Python, R, LaTeX, SPSS, Mplus, Office 365 (Word, Excel, PowerPoint)
- **Relevant Courses:** Mathematical Methods in Economics, Applied Regression Methods, Econometrics and Machine Learning, Artificial Intelligence, Big Data, Intermediate Macro & Microeconomics, Econometrics, Development Economics, Finance
- **Languages:** English (Advanced), Mandarin (Native), Spanish (Advanced), French (Waystage), German (Beginner)

EDUCATION

The University of Chicago, Social Sciences Division | Chicago, Illinois

Master of Arts in Social Sciences (Economics); June 2025; GPA: 3.8/4.0

Beijing Normal University, Business School & Maxdo College | Beijing, China

Bachelor of Economics; Concentration: International Economics and Trade, July 2024

Bachelor of Arts in Spanish, July 2024; GPA: 3.8/4.0

Universitat Pompeu Fabra (Pompeu Fabra University) | Barcelona, Spain

Exchange Studies in Economics, September 2023 – March 2024

PUBLICATIONS & PRESENTATIONS

Shen, S. (2024). From days to weeks: Understanding the family-supportive organization in shaping coworker reactions to paternity leave length. *Manuscript submitted for publication.*

Guo, Q., Lei, T., **Shen, S.**, & Xu, Z. (2024). Does gender stereotype apply to artificial intelligence? Impacts of anthropomorphic AI on employees. *Manuscript submitted for publication.*

Shen, S. (2024). Green finance and health: How does implementing carbon emissions trading affect mental health?. *Advances in Economics, Management and Political Sciences*. 44. 253-261. 10.54254/2754-1169/44/20232191.

RESEARCH EXPERIENCE

Intergenerational Impacts of Child Marriage Bans | Beijing, China

Research Assistant – advised by Prof Yanan Li at Beijing Normal University, May 2024 – Present

- Support literature review and provide evidence on methodological approaches for the research
- Use difference-in-differences (DiD) method with spatial and cohort analyses to study effect of legislative measures against child marriage on long-term health and socio-economic outcomes for women and offspring
- Perform data cleaning, analysis and regression using data from Demographic and Health Surveys (DHS)

Family-supportive Organization in Shaping Coworker Reactions to Paternity Leave Length | Beijing, China

Research Assistant – advised by Prof. Zhixing Xu at Beijing Normal University, September 2022 – Present

- Conduct online survey and field study involving 205 participants to investigate negative influence of paternity leave on coworkers' perception of male employees' work centrality and coworker citizenship behavior
- Manipulate paternity leave duration (1 day vs. 30 days) using scenarios to measure coworker's reactions
- Introduce family-supportive supervisor behavior in analysis and test its effect on citizenship behavior and negative emotions
- Apply independent samples t-test to examine indirect effects and conditional indirect effects

Does Gender Stereotype Apply to Artificial Intelligence? Impacts of Anthropomorphic AI on Employees | Beijing, China

Research Assistant – advised by Prof. Zhixing Xu at Beijing Normal University, September 2022 – Present

- Conduct online survey and field study involving 224 participants to study influence of anthropomorphic AI's gender on warmth perception; Manipulate gender of AI and record warmth perceptions and reactions
- Introduce organizational support in moderated mediation analysis, and apply independent samples t-tests for effect on proactive behavior and job insecurities

Intellectual Property Rights and Export Diversification | Beijing, China

Undergraduate Thesis, Beijing Normal University Business School, November 2023 – May 2024

- Analyzed impact of intellectual property rights on export product diversification in China's manufacturing sector using Poisson Pseudo-Maximum-Likelihood estimation on 2007-2016 panel data
- Explored mechanisms on export diversification, including corporate innovation and operational cost reduction

Chinese Parents' Socioeconomic Status and Children's Cognitive Abilities | Beijing, China

Research Assistant – advised by Prof. Hui Xu at Beijing Normal University, July 2023 – May 2024

- Retrieved, reviewed, and categorized literature on intergenerational transmission on human capital
- Translated final draft from Chinese to English and prepared for submission to international journals

Institute of Strategic Research – Peking University Guanghua School of Management | Beijing, China

Technical Project Assistant – supervised by Prof. Weiguo Zhong at Peking University, October 2022 – August 2023

- Retrieved, indexed, and reviewed literature on Multiple Point Competition (MPC), Political Connection Theory, Institutional Theory, Demand-Based Perspective (DBV), Resource-Based View (RBV)
- Coded 900+ relevant literature into knowledge tree, mapped 30+ literature into mind maps and templates
- Drafted instructional guide and FAQ section to assist ongoing research

Green Development Institute – BNU & Tsinghua University School of Environment | Beijing, China

Research Intern – supervised by Prof. Pingdan Zhang at Beijing Normal University, February 2023 – July 2023

- Supported and managed multiple projects including: 1) Study on Carbon Capture, Utilization, and Storage (CCUS) Incentive Mechanisms and Carbon Markets; 2) Assessment of Urban and Rural Green Development Evaluation Systems; and 3) The Construction and Implementation Plan of Climate Investment Local Project Bank
- Analyzed needs and challenges of integrating CCUS into China's carbon market, including diversified funding sources, market incentives for scaling and clustering, and innovative mechanisms
- Provided policy recommendations, calculated methods of CCER, consummation of incentive fiscal subsidies, and pilot program for CCUS and carbon market integration
- Assessed 8 urban and rural green development evaluation systems and wrote an assessment report including indicators, indicator standards, and algorithms for official references
- Proposed evaluation system for national standard of projects in social, climatic, environmental, & economic effectiveness aspects
- Supported two case studies of climate investment local project banks – Shenzhen and Xixian New Area (Shaanxi Province) – in analyzing development status, implementation experiences, and exemplary projects

Green Finance and Health: How Does Implementing Carbon Emissions Trading Affect Mental Health?

Independent Research, March 2023 – May 2023

- Applied DiD method to analyze effect of China's carbon emissions trading pilot policy on mental health indicators
- Used parallel trend test and discovered equal pre-policy and diverged post-policy trends; Split sample into urban/rural areas to test for regional heterogeneity
- Tested government performance evaluation effects on relationships (carbon trading and mental health) using moderation model

INTERNSHIP EXPERIENCE

China Securities Co., Ltd. | Beijing, China

Assistant Analyst, January 2022 – March 2022

- Researched trends of domestic macro-economic development and international finance industry
- Conducted daily stock market analyses – market news summary, trend analysis, and selected stocks analysis

ACTIVITIES & AWARDS

UChicago Merit Scholarship, University of Chicago, 2024

Gargoyle Research Scholarship, University of Chicago, 2024

Interdisciplinary Contest in Modeling (ICM), Received Honorable Mention (top 21%), February 2023

Academic Competition First Prize, BNU, 2021, 2022, 2023

National English Competition for College Students First Prize, BNU, 2021, 2022, 2023

Merit Student (top 5%), BNU, 2021, 2022, 2023

First Class Scholarship (top 10%) BNU, 2021, 2022, 2023

Volunteer Teacher, BNU Baige Volunteer Club, September 2020 – December 2021

Outstanding Delegate, BNU Model United Nations, September 2020 – December 2021

BNU Representative, Youth Talents for International Organizations Camp – China Univ. of Political Sciences and Law, Oct.-Dec. 2021

REFERENCES

Guillaume Pouliot, Assistant Professor, University of Chicago | guillaumepouliot@uchicago.edu

Srini Vasudevan, Assistant Instructional Professor, University of Chicago | svasudevan2@uchicago.edu

Yanan Li, Associate Professor, Beijing Normal University Business School | yananli@bnu.edu.cn