

Jiacheng Zheng

CHINA
Interdisciplinary Program
Shandong University
Zhihu: karcenzheng

+86 19992761017
karcen_zheng@mail.sdu.edu.cn
karcenzheng@yeah.net
GitHub: Karcen

Education

Shandong University (SDU), Bachelor of Science in Bioengineering, GPA: 3.41/4.0, Ranked 5th out of 50 (Top 10%), 2023–2026 (expected)
Dalian University of Technology (DUT), Bachelor of Engineering in Chemical Engineering, GPA: 3.52/4.0, Ranked 17th out of 230 (Top 7.4%), 2019–2021¹

Papers and Publications

- [1] Chen, B., Hong, D., Ji, J., **Zheng, J.**, Dong, B., Zhou, J., Wang, K., Dai, J., Wang, X., Chen, W., Zheng, Q., Li, W., Han, S., Guo, Y., & Yang, Y. (*Under review*). *InterMT: Multi-Turn Interleaved Preference Alignment with Human Feedback*. Submitted to NeurIPS 2025.
<https://pku-intermt.github.io>
- [2] Khan, J., Li, Y., & Girardin, E. (*Under review*). The effectiveness of unilateral vs. multilateral carbon adjustment mechanisms under WTO and climate rules. *One Earth* (contributed to data analysis, model development, and visualization).
- [3] Khan, J., Li, Y., & **Zheng, J.** (*Under review*). Sectoral growth dynamics, domestic linkages, and GVC movement in Pakistan: A single and multi-regional input-output modeling approach. *Review of Development Economics*.
- [4] **Zheng, J.**, Khan, J., & Alam, Z. Agglomeration economies and regional inequalities: Theory and evidence from provincial China. *Journal of Chinese Economic and Business Studies*.
- [5] Xiao, X., Khan, J., & **Zheng, J.** (*Under review*). Structural changes and sectoral linkages: Unveiling the ICT sector's role in China and India. *Telecommunication Policy*.
- [6] Khan, J., Li, Y. (2023). Linkages and structural changes in the Chinese financial sector, 1996–2018: A network and input–output approach. *Structural Change and Economic Dynamics*. **(Acknowledged)**
 - This study highlights the significant impact of the Chinese financial sector on downstream growth, its vital intermediary role, and the internalization that followed the global financial crisis. It underscores the importance of integrated policies for managing evolving systemic risks in light of shifting intersectoral dynamics.
- [7] Crespo, R., & Rodríguez-Pose, A. (2024). *Innovation and Regional Growth in Europe* (J. Ren, Ed.; Translated by Jianhui Ren et al.). Beijing: Economic Management Press.
 - This book explores the complex relationship between innovation and regional growth, applying the social filter theory. It examines how collaborations among universities, research institutions, industries, and government entities drive regional innovation. Special focus is given to Europe's mechanisms for external innovation absorption and China's distinctive innovation dynamics, including the Belt and Road Initiative and dual circulation development strategy. **Translated Chapter 3: "Geographical Accessibility and Human Capital Accumulation"**.
- [8] Li, Y., & Khan, J. (*In process*). Wind from the East: How the Belt and Road Initiative connects continents to unleash economic potential. Peter Lang. **(Acknowledged)**

¹Withdrew in 2021 to retake the National College Entrance Examination (Gaokao).

Conference Presentations

31st International Input-Output Association Conference (Malé, June 2025; presentation withdrawn due to health reasons)

- *Oral presentation:* “Linkages and Structural Changes in the Chinese Financial Sector, 1996–2018”

10th International Workshop on RUSE in China (Peking University, 2023)

- *Oral presentation:* “Agglomeration Economies and Regional Inequality in Provincial China”

Technical Skills and Interests

Languages: Chinese (Native), English (IELTS 7.0, 2024)

Software: Microsoft Office Suite (Advanced), Adobe Creative Suite (Intermediate), IBM SPSS Statistics (Intermediate), MATLAB (Intermediate), OriginLab (Intermediate), STATA (Basic), R (Basic), Python (Intermediate)

Programming Languages: C (Intermediate)

Mathematical Coursework: Calculus I, Shandong University — 98/100; Calculus II, Dalian University of Technology — 92/100; Linear Algebra, Shandong University — 90/100; Probability and Mathematical Statistics, Dalian University of Technology — 88/100; College Physics (Classical Mechanics and Optics), Dalian University of Technology — 98/100; College Physics (Electromagnetism and Quantum Mechanics), Dalian University of Technology — 100/100

Areas of Interest: Data Science, Input-Output Analysis, Global Value Chains (GVCs), Large Language Models

Scholarships

IIOA Travel Grant (USD 3,000) 2025 – Awarded but later withdrawn due to budget constraints

National Scholarship (CNY 8,000 \approx USD 1,100) 2020

National Encouragement Scholarship (CNY 5,000 \approx USD 690) 2023

Merit Scholarship (Third-class, SDU; CNY 1,000 \approx USD 140) 2023

PwC Open Day Travel Grant (CNY 450 \approx USD 62) 2023

Merit Scholarship (Second-class, DUT; CNY 500 \approx USD 70) 2020

Scholarship for Excellence in Character and Civic Spirit (DUT; CNY 400 \approx USD 55) 2020

Internships

Research Intern, The Hong Kong University of Science and Technology (HKUST), Hong Kong, China (Feb 2025 – May 2025). *Data Science and Data Alignment*

- Contributed to data science and data alignment research for a NeurIPS 2025 submission, in collaboration with researchers (Jiaming Ji, Boyuan Chen) from Peking University.

Community Leader on Secondment, Tian Village, Weihai City, Shandong Province, China (2024 – present)

- Led community engagement initiatives, including after-school tutoring, daycare services, and science outreach.

Research Assistant, The Bartlett School of Sustainable Construction, University College London (Online Project, Apr 2024 – Aug 2024). *Supervisor: Prof. Zhifu Mi, Dr. Haoran Zhang*

- Conducted bibliometric analysis for the project “*Analysis of References in IPCC Assessment Reports*”.

Research Assistant, Institute of International Studies, Shandong University (2023 – present). *Supervisor: Prof. Yuan Li, Postdoc Jamal Khan*

- Supported the development of the Regional and Country-specific Big Data Center, contributing to programming, data visualization, and laboratory maintenance on projects involving machine learning and natural language processing.

Management Trainee, Marketing Department, Golden Education, Weihai (Summer 2023)

- Organized and promoted campus branding events, expanding market reach and providing financial certification consultation to students.
- Developed marketing strategies via social media platforms and strengthened campus networks.

Personal Projects

MCM/ICM – Team Leader (2020, 2021, 2023)

- Mathematical modeling competitions; responsible for modeling and technical writing.
- Successful Participant (top 65%), with a focus on improving analytical and problem-solving skills.

APMCM – Team Leader (2020, 2022, 2024)

- Mathematical modeling competitions; responsible for modeling and technical writing.
- Third Prize (top 25%), demonstrating consistency and team leadership.

iTooth with a Smooth Tongue – Team Leader (2022)

- Designed an Internet-based solution to promote public awareness of oral health.
- Awarded Second Prize in the 13th National College Students' "Innovation, Creativity and Entrepreneurship" Competition.

iLoveNoEmo – Team Leader (2023)

- Developed a WeChat-based platform to promote mental health and emotional well-being among youth.
- Selected for the 10th China International College Students' "Internet+" Innovation and Entrepreneurship Competition.

TEACH FOR CHINA (#Bilibili) – Volunteer Teacher (2023)

- Promoted educational equity by creating recorded lessons for under-resourced rural students.
- Contributed to TEACH FOR CHINA's mission of providing high-quality education regardless of background.

Positions of Responsibility

Vice President, Shandong University – 'Shanghai' Political Studies Club (affiliated to the School of Marxism) (2024–2025)

Head of External Relations, Shandong University – 'Shanghai' Political Studies Club (School of Marxism) (2023–2024)

Secretary, Shandong University – Department of Student Rights and Mental Health (2022–2023)

Vice Minister, Dalian University of Technology – New Media Studio of Art Troupe, Youth League Committee (2020–2021)

Vice President, Dalian University of Technology – Department of Literature and Art, School of Chemistry (2019–2020)

Secretary, Dalian University of Technology – 'Yin Ji Guang Ying' (Shadow of Light) New Media Studio (2019–2020)

Head, Dalian University of Technology – College Housing Committee (2019–2021)

Memberships

International Input-Output Association (IIOA).

Chinese Society of Optimization, Systems Engineering, and Economic Mathematics.

Beijing Society of Image and Graphics.

References

Jamal Khan, Ph.D.

Ph.D. in Economics, Wuhan University

Postdoctoral Fellow (Special Funding Program), Institute of International Studies, Shandong University

jamalkhan_87@yahoo.com

Yuan Li, Ph.D.

Ph.D. in Economics, Graduate School in Economics and Finance of Public Administration (DEFAP), Catholic University of Milan

Executive Dean, Institute of International Studies, Shandong University

Shandong University Distinguished Young Scholar (First-Class)

Former President, Chinese Economic Association (UK/Europe)

Former Acting Professor (W2, Wissenschaftlicher Mitarbeiter), University of Duisburg-Essen

Former Assistant Professor, Stockholm School of Economics

liyuan812k@163.com

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