Jiacheng Zheng

CHINA
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Education

Shandong University (SDU), Bachelor of Science in Bioengineering, GPA: 3.42/4.0, 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%), 2019–2021[1]

Papers and Publications

Published

[1] Khan, J., **Zheng, J.**, Ahmad, M., & Khan, Z. A. (2025). Agglomeration economies and inequality: theory and evidence from provincial China. *Journal of Chinese Economic and Business Studies*, 1–24. `https://doi.org/10.1080/14765284.2025.2538328`

[2] Crespo, R., & Rodríguez-Pose, A. (2024). *Innovation and Regional Growth in the European Union* (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".**

Under Review and Working Papers

- 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`

- *Sectoral Growth Dynamics and GVCs in Pakistan: A Single and Multi-Regional IO Approach.* Submitted to *Review of Development Economics*, under review.

- 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.*

Research Contributions

- Contributed to the paper *Unilateral vs. Multilateral Carbon Adjustment Mechanisms under WTO and Climate Rules* (Best Paper Award at 2024 Cambridge Sustainability Forum, under review at *One Earth*). Responsible for input–output analysis, global value chain decomposition modeling, programming, and visualization.

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

- Khan, Jamal & Li, Yuan & Jamal, Qaiser. (2024). Linkages and Structural Changes in the Chinese Financial Sector, 1996–2018: A Network and Input–Output Approach. *Structural Change and Economic Dynamics*. 70. `https://doi.org/10.1016/j.strueco.2023.12.017.`**(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.

- Li, Y., & Khan, J. (*Forthcoming*). Wind from the East: How the Belt and Road Initiative connects continents to unleash economic potential. Peter Lang. **(Acknowledged)**

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, 2021)
Software: Microsoft Office Suite (Advanced), Adobe Creative Suite (Intermediate), IBM SPSS Statistics (Intermediate), MATLAB (Intermediate), OriginLab (Intermediate),
Programming Languages: Python (Intermediate), STATA (Basic), R (Basic), C (Intermediate, seldom use)
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(LLMs)

Scholarships

IIOA Travel Grant (USD 3,000)   2025 – Awarded but later withdrawn due to budget constraints
National Scholarship (CNY 8,000 ≈ USD 1,100)   2020
National Encouragement Scholarship (CNY 5,000 ≈ USD 690)   2023
Merit Scholarship (Third-class, SDU; CNY 1,000 ≈ USD 140)   2023
PwC Open Day Travel Grant (CNY 450 ≈ USD 62)   2023
Merit Scholarship (Second-class, DUT; CNY 500 ≈ USD 70)   2020
Scholarship for Excellence in Character and Civic Spirit (DUT; CNY 400 ≈ 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.

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 (March 2023 – March 2025). *Supervisor: Prof. Yuan Li, Postdoc Jamal Khan*
- Supported the development of the Center for Data Analysis on Area and Country Studies, performed programming, data visualization, and laboratory system maintenance, primarily supporting research in Input-Output Analysis and Global Value Chains (GVCs), with extended applications to machine learning and natural language processing (NLP) for data-driven economic modeling.

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.

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 (School-level award) in the 13th National College Students' "Innovation, Creativity 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 – 'Shanhai' Political Studies Club (affiliated to the School of Marxism) (2024–2025)

Head of External Relations, Shandong University – 'Shanhai' 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.

Summer Camp & Pre-admission[2]

Peking University, Institute of New Structural Economics (INSE) — Summer Camp *(Top 40 nationwide)*.
Xiamen University, Wang Yanan Institute for Studies in Economics (WISE) — Summer Camp & Pre-admission *(< 50 nationwide)*.
Renmin University of China, School of Applied Economics — Pre-admission.
Shanghai University of Finance and Economics, School of Economics — Pre-admission.
Tianjin University, Ma Yinchu School of Economics — Pre-admission.

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
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[2]In the context of Chinese graduate admissions, a **Summer Camp** is an academic event organized by universities, often serving as a preliminary selection process for top undergraduates. Students demonstrating strong performance may receive a **Pre-admission for Graduate Recommendation**, which is an early offer for admission without taking the national entrance exam.