



**Jiacheng Zheng**  
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## EDUCATION

- **Shandong University(SDU)** GPA: 3.52/4.0(17/230  $\approx$  7.4%)  
*Bioengineering* 2023–2026 (expected)
- **Dalian University of Technology(DUT)** GPA: 3.384/4.0(6/50  $\approx$  12%)  
*Chemical Engineering* 2019–2021

## PAPERS AND PUBLICATIONS

- [1] 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, modeling and visualization**).
- [2] 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*.
- [3] **Zheng, J.**, Khan, J., & Alam, Z. (Minor revision). Agglomeration economies and regional inequalities: Theory and evidence from provincial China. *Journal of Chinese Economic and Business Studies*.
- [4] 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*.
- [5] **Zheng, J.**, Zhao, Z., & Liu, Y. (Under Review). Investigating Chinese students' behavior towards water saving. *International Journal of Social Sciences and Sustainability (IJSSS)*.
- [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* ([Ren Jianhui, Ed.]). 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. **I contributed as the translator for Chapter 3: Geographical Accessibility and Human Capital Accumulation.***
- [8] "Wind from the East: How does the Belt and Road Initiative connect continents to unleash economic potential?" Li Yuan, & Jamal Khan. Peter Lang, in process.(acknowledged)

## CONFERENCE

- **The 10th International Workshop on RUSE in China, Peking University** Presenter 2023
- **The 31st IIOA Conference, Malé** Invited Presenter 2025

TECHNICAL SKILLS AND INTERESTS

**Languages:** Chinese(Native), English(IELTS 7)  
**Softwares:** Office Suite(advanced), Adobe Suite(intermediate), IBM-SPSS(intermediate), Matlab(intermediate), C(intermediate), OriginLab(intermediate), Python(intermediate), STATA(basic), R(basic)  
**Mathematical Level:** Calculus I, SDU(98/100), Calculus, DUT II (92/100), Linear Algebra, SDU(90/100), Probability and Mathematical Statistics Theory, DUT(88/100), College Physics (Classical Mechanics and Optics, DUT): 98/100, College Physics (Electromagnetism and Quantum Mechanics, DUT): 100/100  
**Areas of Interest:** Input-Output Analysis, Global Value Chain, Machine Learning, Natural Language Processing.

SCHOLARSHIP

- National Scholarship(DUT) 2020
- National Encouragement Scholarship(SDU) 2023
- Tertiary Scholarship of Distinction,(SDU) 2023
- Secondary Scholarship(DUT) 2020
- Scholarship for Excellence in Character and Civic Spirit(DUT) 2020

INTERNSHIP

- Research Intern, The Hong Kong University of Science and Technology 2025-present  
Responsible for data processing, modeling and visualization, etc. of the research group. Hongkong, China
  - Deploy the HKGAI large model for the Hong Kong government, participate in data processing work for the research group, and conduct research in the fields of machine learning, natural language processing, and large language models (LLMs).
- Tian Village, Weihai City, Shandong Province 2024-present  
Community Leader on Secondment Weihai, China
  - Assisted in various community activities, including after-school tutoring for elementary students, daycare services, and science popularization efforts. Additionally, provided education on emergency first aid techniques, such as CPR and the Heimlich maneuver, and raised awareness about the prevention and treatment of AIDS and tuberculosis. This role was part of a university social practice program organized by Shandong University (Weihai) to promote communication and interaction between university students and the community, and to address real-world social issues.
- The Bartlett School of Sustainable Construction, University College London 2024-2025  
Research Assistant, Supervisor: Prof.Zhifu Mi, Dr.Haoran Zhang Online Project
  - Participated in the project “The analysis of the references of the Intergovernmental Panel on Climate Change Assessment Reports”.
- Institute of International Studies, Shandong University 2023-present  
Supervisor: Prof.Yuan Li and Postdoc Jamal Khan Research Assistant
  - Participated in the construction of the Regional and Country-specific Big Data Center at Shandong University, responsible for programming, computer graphics, and laboratory maintenance. The research topics include machine learning and natural language processing.
- Golden Education Summer 2023  
Management Trainee of Marketing Department Weihai
  - Organized, planned, promoted, and implemented high-interest and high-value campus brand activities.
  - Expanded personal network through online new media and social channels, established connections with more students, and provided financial certificate consultation for students in need.
  - Assisted in developing the campus market and completing team tasks.

## PERSONAL PROJECTS

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### •MCM/ICM

2020 2021 2023

*Leader of Team*

- Mathematical modeling contest, responsible for modeling and paper writing.
- Successful Participant(65%) P.S.I consider myself less proficient, as I have never received an Honorable Mention or a higher accolade. :’(

### •APMCM

2020 2022 2024

*Leader of Team*

- Mathematical modeling contest, responsible for modeling and paper writing.
- Third Prize(25%) P.S. I have consistently received third-place awards, despite my efforts in studying mathematical modeling, and have never attained higher accolades. :’(

### •iTooth with a Smooth Tongue

2022

*Leader of Team*

- Leader. Case Competition. To enhance public awareness of oral health and provide an Internet-based solution for dental well-being.
- Second Prize in the 13th National College Students "EINNOVATION/CREATIVITY/ENTREPRENEURSHIP" Competition.

### •iLoveNoEmo

2023

*Leader of Team*

- Leader. Case Competition. Focusing on the mental health of young individuals, disseminating knowledge about psychological issues, and delivering a digitized solution for emotional well-being through a WeChat account.
- The Project of The 10th China International College Students' 'Internet+' Innovation and Entrepreneurship Competition.

### •TEACH FOR CHINA (#Bilibili)

2023

*Volunteer Teacher*

- TEACH FOR CHINA program, ensuring all children in China, regardless of their background, have access to equitable and high-quality education.
- Record lessons for students in poor rural areas to promote educational equity.

## POSITIONS OF RESPONSIBILITY

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### •Head of External Relations, SDU 'Shanghai' Political Observation Club(School of Marxism)

2023-2024

### •Secretary, SDU Department of Students Rights and Mental Health

2022-2023

### •Vice Minister, DUT New Media Studio of Art Troupe of Youth League Committee

2020-2021

### •Vice-president, DUT Department of Literature and Art, School of Chemistry

2019-2020

### •Secretary, DUT 'Yin Ji Guang Ying' New Media Studio

2019-2020

### •Head, DUT College Housing Committee

2019-2021

## REFERENCES

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### Jamal Khan, Ph.D.

Ph.D. in Economics from Wuhan University

Postdoctoral Fellow in Institute of International Studies, Shandong University(Tire 1)

jamalkhan\_87@yahoo.com

### Yuan Li, Ph.D.

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

Executive Vice Dean of Institute of International Studies, Shandong University

Distinguished Young Scholar in Shandong University(First Level)

Former Professor at University of Duisburg-Essen(W2)

Former Assistant Professor at Stockholm School of Economics

Former President of the Chinese Economic Association (UK/Europe)

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