

Qian Jia

School of Business, Nanjing University
Nanjing, PR China, 210093

qianjia@mail.nju.edu.cn
<https://qian-jia.github.io>

RESEARCH AREAS

Decision Making Under Uncertainty, Business Analytics, Machine Learning, Reinforcement Learning,
Cybersecurity, Omnichannel Strategies, Live Commerce

EDUCATION

- Ph.D. School of Business, Nanjing University, Nanjing, China
2020-25 *Business Administration (Management Information Systems)*
Dissertation: "Enterprise Information System Security Patch Management"
Advisor: Professor Zhengrui (Jeffrey) Jiang
- M.S. International Business School, Shaanxi Normal University, Xi'an, China
2017-20 *Technology Economics and Management*
Advisor: Professor Xue Li
- B.S. School of Economics and Management, Chang'an University, Xi'an, China
2013-17 *Business Administration*

RESEARCH EXPERIENCE

- 2022-24 Visiting Scholar, The University of Texas at Dallas, Richardson, TX, USA
Advisor: Professor Syam Menon
- 2020-22 Research Assistant, Nanjing University, Nanjing, China
Advisor: Professor Zhengrui (Jeffrey) Jiang
- 2017-20 Research Assistant, Shaanxi Normal University, Xi'an, China
Advisor: Professor Xue Li

PUBLICATIONS

Conference Papers

- 2023 Jia, Q., Menon, S., Jiang, Z. "Security Patch Management Based on Multi-Agent Reinforcement Learning." *2023 INFORMS Annual Meeting*. Phoenix, AZ. Oct 15-18.
- 2023 Jia, Q., Menon, S., Jiang, Z. "Micro-Fulfillment Center Inventory Policies for Digital Grocery Ecosystem." *PACIS 2023*. Nanchang, China. Jul 8-12.
- 2023 Jia, Q., Qu, X., Jiang, Z. "Reinforcement Learning-Based Patching Policy for Enterprise Information Systems." *POMS 33rd Annual Conference*. Orlando, FL. May 21-25.
- 2021 Jia, Q., Qu, X., Jiang, Z. "A Dynamic Patching Policy for Enterprise Information Systems." *CSWIM 2021*. Online. Jun 26-28.
Best Workshop Paper Award (Runner-Up)
- 2019 Li, X., Jia, Q., Chen, X., Fan, X. "Factors Affecting Consultation Volume in an Online Healthcare Community: Evidence from Online Data in China." *WHICEB 2019*. Wuhan, China. May 24-26.

WORKING PAPERS

Jia, Q., Qu, X., Jiang, Z. “A Dynamic Patching Policy for Enterprise Information Systems.” Major Revision.

Jia, Q., Jiang, Z., Menon, S. “Enabling Ultra-Fast Online Order Fulfillment: Efficient Inventory Management for Micro-Fulfillment Centers.” Under Review.

Jia, Q., Lin, L. “Optimal Live Selling Strategies for Brands: The Role of Effort Costs.” Under Review.

RESEARCH IN PROGRESS

Jia, Q., Qu, X., Jiang, Z. “Reinforcement Learning-Based Patching Policy for Enterprise Information Systems.”

Jia, Q., Jiang, Z. “A Multi-Agent Reinforcement Learning Approach for Information System Security Patch Management.”

GRANTS AND AWARDS

Awards and Honors

2021 Best Workshop Paper Award (Runner-Up), The 14th China Summer Workshop on Information Management (CSWIM).

2020-23 Graduate Student Scholarship, Nanjing University.

2019 Outstanding Graduate Student Award, Shaanxi Normal University.

2019 Graduate Student Leadership Award, Shaanxi Normal University.

2017-19 Graduate Student Scholarship, Shaanxi Normal University.

SERVICE

Conference Sessions Organized

2024 “Emerging Technology and Decision Analysis.” *2024 INFORMS Annual Meeting*. Seattle, WA. Oct 20–23.

Conference Peer Review

International Conference on Information Systems (ICIS)

Pacific Asia Conference on Information Systems (PACIS)

MEMBERSHIPS

INFORMS

Association for Information Systems

Production and Operations Management Society

SKILLS

Python, R, Mathematica, L^AT_EX

Updated June 2024