

YAQI XIE

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CONTACTS

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EDUCATION

The University of Chicago Booth School of Business

Chicago, IL

Ph.D. in Operations Management

2022–Present

Advisors: Prof. Linwei Xin and Prof. Will Ma

Zhejiang University

Hangzhou, China

B.S. in Mathematics and Applied Mathematics

2017–2021

PREPRINTS AND PUBLICATIONS

1. Yaqi Xie, Will Ma, Linwei Xin. Fast Horizon-Free Rates for Inventory Optimization.
2. Yaqi Xie, Xinru Hao*, Jiaxi Liu*, Will Ma, Linwei Xin, Lei Cao*, Yidong Zhang*. [DeepStock: Reinforcement Learning with Policy Regularizations for Inventory Management](#).
Forthcoming at *INFORMS Journal on Applied Analytics*, 2026.
 - Finalist for the INFORMS Daniel H. Wagner Prize, 2025
 - Covered in Alibaba Taobao & Tmall Press Release [[Link](#)], and Columbia Business Insights [[Link](#)], 2026
 - 4-page preliminary version appeared at NeurIPS 2025 MLxOR Workshop
3. Yaqi Xie, Will Ma, Linwei Xin. [VC Theory for Inventory Policies](#).
Major revision at *Management Science*.
 - Finalist for the INFORMS APS Best Student Paper Prize, 2025
 - Selected for presentation in the MSOM Supply Chain Management SIG, 2024
4. Yaqi Xie, Will Ma, Linwei Xin. [The Benefits of Delay to Online Decision-Making](#).
Management Science, 2025.
 - Selected for presentation in the MSOM Supply Chain Management SIG, 2023
 - Covered in Chicago Booth Review [[Link](#)], 2023
5. Yaqi Xie, Zizhuo Wang. [Dynamic Seat Selection Surcharge and Allocation Policy in Selling High-Speed Train Tickets](#). *Production and Operations Management*, 2025.

(An asterisk (*) indicates an industrial collaborator.)

TEACHING EXPERIENCE

Teaching Assistant, Booth School of Business:

- BUSN 40000: Operations Management (MBA)

Winter 2025

- BUSN 20520: Supply Chain Management (Undergraduate) Winter 2025
- BUSN 36900: Linear Programming (PhD) Fall 2023

PRESENTATIONS

“DeepStock: Reinforcement Learning with Policy Regularizations for Inventory Management”

- INFORMS RMP Section Conference, Ann Arbor, MI 07/2026
- INFORMS MSOM Conference, Boston, MA 07/2026
- Prof. Ozan Candogan’s PhD course “Frontiers in AI for Operational Decision-Making,” Booth School of Business 03/2026
- INFORMS Annual Meeting, Atlanta, GA 10/2025
- Poster: Chicago Operations Day (06/2026); NYC Operations Day (04/2026); NeurIPS 2025 MLxOR Workshop, San Diego, CA (12/2025).

“VC Theory for Inventory Policies”

- STOC 2026 Machine Learning for Algorithms Workshop (Poster), Salt Lake City, UT 06/2026
- INFORMS Annual Meeting, Atlanta, GA 10/2025
- INFORMS RMP Section Conference, New York, NY 07/2025
- INFORMS APS Conference, Atlanta, GA 06/2025
- INFORMS Annual Meeting, Seattle, WA 10/2024
- International Symposium on Mathematical Programming (ISMP), Montréal, Canada 07/2024
- INFORMS MSOM Conference, Minneapolis, MN 06/2024

“The Benefits of Delay to Online Decision-Making”

- INFORMS Annual Meeting, Phoenix, AZ 10/2023
- INFORMS MSOM Conference, Montréal, Canada 06/2023
- POMS Annual Conference, Orlando, FL 05/2023
- OM PhD Lunch, Booth School of Business 04/2023

ACADEMIC SERVICE

Journal ad-hoc reviewer: *Management Science*, *Manufacturing & Service Operations Management*, *Operations Research*

Conference reviewer: MSOM SIG 2026

HONORS AND AWARDS

- Finalist for the INFORMS 2025 APS Best Student Paper Prize 2025
- Finalist for the INFORMS 2025 Daniel H. Wagner Prize 2025
- Katherine Dusak Miller Fellowship, Booth School of Business 2025–2026
- PhD Fellowship, Booth School of Business 2022–2027
- Outstanding Undergraduate of Zhejiang University & Zhejiang Province 2021
- National Scholarship, Chinese Ministry of Education 2018

OTHER EXPERIENCE

Columbia Business School	New York, NY
Visiting student hosted by Prof. Will Ma	01/2026–05/2026
Cardinal Operations	Beijing, China
Algorithm engineering intern	03/2022–06/2022
CUHK-Shenzhen, School of Data Science	Shenzhen, China
Research assistant supervised by Prof. Zizhuo Wang	07/2021–12/2021

SKILLS

Programming Languages: Python, MATLAB