

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, Xinru Hao*, Jiayi Liu*, Will Ma, Linwei Xin, Lei Cao*, Yidong Zhang*. [DeepStock: Reinforcement Learning with Policy Regularizations for Inventory Management](#).
 - 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
2. 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
3. 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
4. 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.)

PRESENTATIONS

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

- Prof. Ozan Candogan’s PhD course “Frontiers in AI for Operational Decision-Making,” Booth School of Business 03/2026
- NeurIPS 2025 MLxOR Workshop (Poster), San Diego, CA 12/2025
- INFORMS Annual Meeting, Atlanta, GA 10/2025

“VC Theory for Inventory Policies”

- 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

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

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

ACADEMIC SERVICE

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

Conference reviewer: MSOM SIG 2026

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
Research assistant supervised by Prof. Zizhuo Wang

Shenzhen, China
07/2021–12/2021

SKILLS

Programming Languages: Python, MATLAB