

YAQI XIE

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## EDUCATION

<b>The University of Chicago Booth School of Business</b>	Chicago, IL
Ph.D. in Operations Management	2022–Present
Advisors: Prof. Linwei Xin and Prof. Will Ma	
<b>Zhejiang University</b>	Hangzhou, China
B.S. in Mathematics and Applied Mathematics	2017–2021

## PREPRINTS AND PUBLICATIONS

1. Yaqi Xie, Xinru Hao\*, Jiaxi Liu\*, Will Ma, Linwei Xin, Lei Cao\*, Yidong Zhang\*. DeepStock: Reinforcement Learning with Policy Regularizations for Inventory Management.
    - Finalist for the INFORMS 2025 Daniel H. Wagner Prize
  2. Yaqi Xie, Will Ma, Linwei Xin. VC Theory for Inventory Policies.  
Major Revision at *Management Science*.
    - Finalist for the INFORMS 2025 APS Best Student Paper Prize
    - 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, 2023 [[Link](#)]
  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:

  - 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

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### 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 (Ph.D.)	Fall 2023

## HONORS AND AWARDS

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Finalist for the INFORMS 2025 APS Best Student Paper Prize	2025
Finalist for the INFORMS 2025 Daniel H. Wagner Prize	2025
Outstanding Graduate of Zhejiang University & Zhejiang Province	2021
National Scholarship, Chinese Ministry of Education	2018

## ACADEMIC SERVICE

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

## OTHER EXPERIENCE

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Cardinal Operations	Beijing, China
Algorithm Engineering Intern	03/2022–06/2022
School of Data Science, CUHK-Shenzhen	Shenzhen, China
Research Assistant, supervised by Prof. Zizhuo Wang	07/2021–12/2021

## SKILLS

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Programming Languages: Python, MATLAB