Zijin Zhang

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EDUCATION

University of Michigan, Ross School of Business, Ann Arbor, MI *2019 - 2025 (expected)*
Ph.D. in Technology and Operations (GPA: 4.0+/4.0)
Advisors: Hyun-Soo Ahn and Lennart Baardman

Nanjing University, Nanjing, China *2014 - 2018*
B.S. in Mathematics and Statistics

University of Wisconsin-Madison, Madison, WI *2017*
Exchange Student

RESEARCH INTERESTS

Topics Retail Analytics ⋄ Inventory Management ⋄ Societal Decision-Making
Methodology Dynamic Optimization ⋄ Stochastic Analysis ⋄ Approximation Algorithm

RESEARCH PAPERS

[1] More Data or Better Data? Impact of Costly Data Collection on the Newsvendor Problem, with Hyun-Soo Ahn and Lennart Baardman, under review at **Management Science** [link]

[2] Inventory Ordering and Product Ranking for Online Curation Retailers, with Hyun-Soo Ahn and Lennart Baardman, preparing for 2nd round revision to **Manufacturing & Service Operations Management** [link]
- Selected for SIG spotlight, MSOM 2024

[3] Capacity Scaling for Observable Queues, with Yang Li, Daniel Zhuoyu Long, and Rowan Wang, under review at **Manufacturing & Service Operations Management** [link]
- Invited for presentation at China Municipal Health Commission to support national-level planning of COVID testing sites

[4] Beyond the Promise: Distributional Discordance in China's Pandemic Control, with Jingyang Rui, preparing for submission to **American Political Science Review** [link]
- Ross China Research Award
- Selected for oral presentation at APSA 2024

WORK-IN-PROGRESS

[5] Rethinking College Admissions: Can Test-Optional Policy Even the Playing Field? with Yao Cui and Stefanus Jasin, manuscript in preparation

[6] Context-Aware Dynamic Data Collection, with Hyun-Soo Ahn and Lennart Baardman, results development stage

TEACHING EXPERIENCE

Instructor, Operations Management (TO 313, BBA Core) *2021*
- Teaching evaluation: 4.9/5.0
- Class size: 75 junior students at the Ross School of Business
- Role: Served as solo instructor teaching twice a week (1.5 hours each) for a full semester
- Topics: Process Analysis, Supply Chain and Sustainability, Revenue Management, etc.

Instructional Support, EMBA
- EMBA 610: Managerial Big Data Analytics *2022, 2024*
- EMBA Quantitative Workshop *2021, 2024*
- EMBA 603: Business Analytics and Statistics for Executives *2020, 2023*
- Online Executive Education: Value Driven Thinking *2022*

Teaching Assistant, MBA and PhD
- MBA Analytics Primer Workshop *2024*
- TO 550: Introduction to Data Programming *2024*
- TO 718: Data Analytics *2023*
- TO 593: Operations Management *2023*
- TO 899: Inventory Theory (PhD Core) *2022*
- TO 534: Introduction to Operations *2022*
- TO 421: Logistics *2021*
- TO 605: Manufacturing and Supply Operations *2019, 2020*
- TO 618: Applied Business Analytics and Decisions *2020*

EMPLOYMENT

Oracle, Burlington, MA *2022*
Data Scientist Intern

The Chinese University of Hong Kong, S.T., Hong Kong *2019*
Junior Research Fellow

China CITIC Bank, Beijing, China *2015*
Credit Risk Analyst Intern

HONORS& AWARDS

Rackham Doctoral Intern Fellowship *2024*
Rackham Research Grant *2024*
Spivey Hall Fellowship *2023 - 2024*
   – For academic and research excellence

Rackham Conference Travel Grant *2020 - 2024*
Ross China Research Award *2023*
Thomas William Leabo Fellowship *2022 - 2023*
   – For academic and teaching excellence

Doctoral Research Grant, Ross School of Business *2022*
Early Candidacy Award, Ross School of Business *2021*
Academic Scholarship, Nanjing University *2014 - 2018*
Merit Student of Jiangsu Province *2017*
Second Place, National Citi Cup Financial Innovation Application Contest *2016*
First Prize, National Olympiad Informatics Contest *2013*

INVITED TALKS

Inventory Ordering and Product Ranking for Online Curation Retailers
- INFORMS 2021, INFORMS 2022, MSOM 2023, Nanjing University 2023, MSOM SIG 2024

More Data or Better Data? Impact of Costly Data Collection on Newsvendor Problem
- INFORMS 2023, MSSISS 2024, MSOM 2024, ISMP 2024, TTIC 2024 (poster), INFORMS 2024

Capacity Scaling for Observable Queues & Beyond the Promise
- CSAMSE 2023, MSSISS 2024, APSA 2024, IWCP 2024

COMMUNITY& ACADEMIC SERVICE

INFORMS Annual Conference Session Co-Chair *2024*
Invited Speaker at INFORMS Panel: *Minority Issues Forum* *2024*
Invited Speaker at Ross PhD Information Session *2020 - 2024*
Student Organizer for Technology & Operations Seminar *2022 - 2023*
Invited Speaker at Ross GSI Teaching Panel *2022*
Communication and Social Chair, Ross School of Business PhD Forum *2020 - 2022*
Advisory Board for *Rem & Co.* (free consulting service to minority-owned local business) *2021*
Doctoral Program Peer-to-Peer Mentor, University of Michigan *2020*
Communication Fellow, Nanjing Museum *2015 - 2017*
Vice President, Department of Mathematics, Nanjing University *2015*

ADDITIONAL

Programming: C++, Python, Pascal, Matlab, R, Stata, SQL, LaTeX
Languages: English (professional) / Mandarin (native)
Interests: Avid hiker, squash player, rock climber, tennis learner, and nature explorer

REFERENCES

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