

Zihao Qu

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Last updated on: May 23, 2026

EMPLOYMENT

Isenberg School of Management, University of Massachusetts Amherst <i>Assistant Professor of Operations Management</i>	Amherst, Massachusetts <i>July 2024 – Present</i>
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EDUCATION

The University of Texas at Dallas <i>Ph.D. in Management Science</i>	Richardson, Texas <i>August 2018 - May 2024</i>
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- Cumulative GPA: 4/4
- Major: Operations Management
- Advisors: Prof. Milind Dawande, Prof. Ganesh Janakiraman

The Chinese University of Hong Kong, Shenzhen <i>Bachelor of Business Administration</i>	Shenzhen, Guangdong <i>September 2014 - May 2018</i>
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- Cumulative GPA: 3.7/4
- Major: Global Business Studies with a concentration in Global Supply Chain and Logistics Management

RESEARCH

RESEARCH INTERESTS

Pricing and Revenue Management, Supply Chain Management

RESEARCH PAPERS

A Near-Optimal Algorithm for Real-Time Order Acceptance: An Application in Postacute Healthcare Services

Operations Research, 70(4), 2213-2225, 2022.

- Zihao Qu, Milind Dawande, Ganesh Janakiraman

Cloud Cost Optimization: Model, Bounds, and Asymptotics

Operations Research, 72(1), 132-150, 2024.

- Zihao Qu, Milind Dawande, Ganesh Janakiraman

Spatial Matching with Delays

Under second-round review at Operations Research.

- Xingyu Bai, Zihao Qu, Yufei Wang

Dynamic Balancing and Matchmaking in Competitive Live-Service Games

Under review at Management Science.

- Jialin Li, Zihao Qu, Mengfan Xu

Keeping it Fresh: Static vs. Dynamic Data Update Policies

Manuscript in preparation for submission.

- Sammer Mehta, Zihao Qu, Ganesh Janakiraman

Capacity Management with Customer Upgrading and Downgrading: An Application in Battery Swapping Stations

Work-in-progress.

- Zihao Qu, Lingling Shi

Car Telematics, Segmentation, and the Untracked: Modeling Equilibrium in the Usage-Based Auto Insurance Market

Work-in-progress.

- Kai Sun, Wangsheng Zhu, Zihao Qu

TEACHING EXPERIENCE

University of Massachusetts Amherst

Amherst, Massachusetts

Instructor

September 2024 - Present

- Artificial Intelligence in Business, Fall 2024, Spring 2025, Fall 2025, Spring 2026, Fall 2026

The University of Texas at Dallas

Richardson, Texas

Instructor

January 2022 - December 2022

- Managerial Methods in Decision Making Under Uncertainty (65 students), Spring 2022
- Managerial Methods in Decision Making Under Uncertainty (79 students), Fall 2022

The University of Texas at Dallas

Richardson, Texas

Teaching Assistant

August 2018 - May 2023

PRESENTATIONS

Spatial Matching with Delays

- DSI Annual Conference *November 2025*
- POMS Annual Meeting *May 2026*
- INFORMS MSOM Conference *July 2026 (Scheduled)*
- INFORMS Annual Meeting *November 2026 (Scheduled)*

Cloud Cost Optimization: Model, Bounds, and Asymptotics

- POMS Annual Meeting *May 2025*
- Research Workshop in Memory of Prof. Milind Dawande *April 2025*
- INFORMS Annual Meeting *October 2024*
- Isenberg School of Management, University of Massachusetts Amherst *December 2023*
- Miami Herbert Business School, University of Miami *December 2023*
- School of Business, Wake Forest University *November 2023*
- INFORMS Annual Meeting *October 2023*
- INFORMS MSOM Conference *June 2023*
- POMS Annual Meeting *May 2023*

A Near-Optimal Algorithm for Real-Time Order Acceptance: An Application in Postacute Healthcare Services

- INFORMS Annual Meeting *October 2022*
- INFORMS Annual Meeting *October 2021*

PROFESSIONAL SERVICES

Session Chair

- INFORMS Annual Meeting *October 2024*
- POMS Annual Meeting *May 2025*
- DSI Annual Conference *November 2025*
- POMS Annual Meeting *May 2026*

Conference Reviewer

- INFORMS MSOM Annual Conference *2026*
- INFORMS MSOM SIG Annual Conference *2024*
- ACM Conference on Economics and Computation *2024*

Journal Reviewer

- Production and Operations Management *2025, 2026*
- Manufacturing and Service Operations Management *2025*
- Operations Research *2025, 2026*
- INFORMS Journal on Computing *2026*
- IISE Transactions *2026*

AWARDS

The University of Texas at Dallas

- Best Dissertation Award *2025*
- Dean's Excellence Scholarship *2023*
- Doctoral Student Scholarship *2018-2023*

The Chinese University of Hong Kong, Shenzhen

- Second-tier Academic Performance Scholarship *2014-2016*
- Master's List, Shaw College *2016-2018*
- Dean's List *2014-2018*
- Full-tuition Admission Scholarship *2014-2018*

SKILLS

Languages: English, Chinese

Computer: R, Python, Advanced Excel

Software: Mathematica, LaTeX