

EMPLOYMENT

University of Tulsa

Collins College of Business

– Assistant Professor of Operations Management

Tulsa, USA

2019–Current

EDUCATION

University of Pittsburgh

Ph.D. in Business Analytics and Operations

Pittsburgh, USA

2019–2024

KTH Royal Institute of Technology

M.S. in Applied and Computational Mathematics

Stockholm, Sweden

2017–2019

Zhejiang University

B.S. in Mathematics and Applied Mathematics

Hangzhou, China

2013–2017

RESEARCH INTERESTS

Methodologies: Optimization, mathematical analysis, game theory, integer programming.

Applications: Revenue management, pricing, sustainable operations, transportation, fairness.

PUBLICATIONS

1. Wenjie Xu*, Titing Cui*, and Minghua Chen. *Optimizing Two-Truck Platooning with Deadlines*. (*co-primary authors)
 - Accepted in **IEEE Transactions on Intelligent Transportation Systems**, 2022.

WORKING PAPERS

1. Titing Cui, Michael L. Hamilton. *Optimal Feature-Based Market Segmentation and Pricing*.
 - Accepted in The 18th Conference on Web and Internet Economics (WINE), 2022.
 - Third Place, INFORMS Service Science Best Cluster Paper Award, 2022.
 - Major Revision in **Operations Research**. June 2023
2. Titing Cui, Michael L. Hamilton. *Pricing Online Dating Subscriptions*.
 - Finalist, 2024 POMS College of Service Operations Management (CSOM) Best Student Paper.
 - Submitted 2025
3. Titing Cui, Esther Gal-Or, Mike Gordon, Michael L. Hamilton, Jennifer Shang. *The Effects of Competition on Corporate Sustainability*.
 - Accepted in The 3rd ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO), 2023.
 - Submitted 2025

4. Titing Cui, Su Jia, Thomas Lavastida. *From Stream to Pool: Pricing Under Diminishing Marginal Utility*.
 - Submitted 2025
5. Titing Cui, Michael L. Hamilton. *Fresh Rating Systems: Structure, Incentives, and Fees* .
 - Finalist, 2025 POMS College of Service Operations Management (CSOM) Best Student Paper.
 - Submitted 2025

WORK IN PROGRESS

1. Titing Cui, Michael L. Hamilton, Qiqi Hao. *Pricing for Two-sided Dating Platforms*. In progress.

OTHER PUBLICATIONS

1. Yaowei Long*, Zidong Wu*, Hongyi Liu*, Titing Cui, Wenjie Xu, Minghua Chen. *Demo Abstract: Online Path and Speed Planning Platform for Energy-Efficient Timely Truck Transportation*. (* indicates equal contribution)
 - Accepted in **The 6th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and Transportation (BuildSys 2019)**.

PRESENTATIONS

1. *“Optimal Feature-Based Market Segmentation and Pricing”*
 - The 18th Conference on Web and Internet Economics, Troy, NY. Dec 2022
 - INFORMS Annual Conference 2022, Indianapolis, In. Oct 2022
 - INFORMS Annual Conference 2021, Anaheim, CA. Oct 2021
 - RMP Section Conference 2021, Remote Conference. July 2021
 - CORS Annual Conference 2021, Remote Conference. June 2021
2. *“Pricing Strategies for Online Dating Platforms”*
 - INFORMS Annual Conference 2023, Phoenix, AZ. Oct 2023
 - Cornell 2023 Young Researchers Workshop Oct 2023
 - POMS Annual Conference 2023, Orlando, FL. May 2023
 - INFORMS Annual Conference 2022, Indianapolis, In. Oct 2022
 - University of Toronto, Rotman Young Scholar Seminar. July 2022
 - RMP Section Conference 2022, Remote Conference. July 2022
 - MSOM Annual Conference 2022, Munich. June 2022
 - CORS Annual Conference 2022, Vancouver. June 2022
3. *“The Effects of Competition on Corporate Sustainability”*
 - MSOM Annual Conference 2023, Montreal, CA. June 2023
 - POMS Annual Conference 2023, Orlando, FL. May 2023
4. *“Rating Systems Design: Structure, Incentives, and Fees”*
 - INFORMS Annual Conference 2023, Phoenix, AZ. Oct 2023

TEACHING

- **Instructor** at University of Pittsburgh
BQOM 2578 - Data Mining *Fall 2022, 2023*
- **Teaching Assistant** at University of Pittsburgh
BQOM 2535 - Healthcare Operations and Supply Chain Management *Summer 2021, Spring 2022, 2023*
BQOM 2401 - Statistical Analysis: Uncertainty, Prediction and Quality Control *Fall 2021*
BQOM 2534 - Strategic Procurement and Sourcing Management *Spring 2021*

SCHOLARSHIPS AND AWARDS

- Finalist, 2025 POMS CSOM Best Student Paper 2025
- Finalist, 2025 POMS CSOM Best Student Paper 2024
- Third Place, INFORMS Service Science Best Cluster Paper Award 2022
- Sheth PhD Fellowship for Outstanding Students 2022
- Rockwell Foundation Fellowship 2019 - 2024
- KTH Scholarship 2017 - 2019

PROFESSIONAL SERVICE

- Organization committee 2022
YinzOR Student Conferences, Carnegie Mellon University.
- Ad hoc reviewer
Operations Research, Management Science, Networks, INFORMS Journal on Computing, Conference on Web and Internet Economics (WINE).

SKILLS AND OTHERS

Programming Language: Python, R, Mathematica, Stata, Matlab, C, SQL, Cplex, Gurobi, L^AT_EX.
Language: Mandarin (native), English (fluent).

REFERENCES

References are available upon request