

## EMPLOYMENT

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### University of Tulsa

Collins College of Business

– Assistant Professor of Operations Management

Tulsa, USA

2024–Current

## EDUCATION

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### 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

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

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

## PUBLICATIONS

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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

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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

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

## OTHER PUBLICATIONS

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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

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1. *“Optimal Feature-Based Market Segmentation and Pricing”*
  - The 18<sup>th</sup> 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

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- **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

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- 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

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- 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

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**Programming Language:** Python, R, Mathematica, Stata, Matlab, C, SQL, Cplex, Gurobi, L<sup>A</sup>T<sub>E</sub>X.  
**Language:** Mandarin (native), English (fluent).

## REFERENCES

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*References are available upon request*