

# Meng Qi

OTIM, SC Johnson College of Business, Cornell University

Phone: (+1) 510-612-6089

Email: [mq56@cornell.edu](mailto:mq56@cornell.edu)

Address: 435C Statler Hall, Ithaca, NY 14853

Personal website: <https://alicemengqi.github.io/site/>

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**Academic Appointments**      **Assistant Professor, Cornell University**      Ithaca, NY  
Operations, Technology and Information Management Department,      2022-present  
SC Johnson College of Business and Nolan School of Hotel Administration

**Education**      **University of California, Berkeley**      Berkeley, CA  
Ph.D. in Industrial Engineering & Operations Research      2016-2022  
*Minor: Statistics & Machine Learning*

**University of California, Berkeley**      Berkeley, CA  
M.Sc. in Industrial Engineering & Operations Research      2016-2017

**Tsinghua University**      Beijing, China  
B.Sc. in Mathematics and Physics      2012-2016

**Journal Publications**      “Distributionally Robust Conditional Quantile Prediction with fixed design.”  
*Management Science*, 2021

**Honorable mention**, POMS-HK best student paper competition, 2020.  
(with Ying Cao, Zuo-Jun Max Shen)

“A Practical End-to-End Inventory Management Model with Deep Learning.”  
*Management Science*, 2022.

**Implemented in production at JD.com** since 2020.  
Shortlisted for semi-finalist of **2022 Gartner Power of the Profession Supply Chain Award**.  
The code and sanitized data set is under preparation for public sharing.  
(with Yuanyuan Shi, Yongzhi Qi, Chenxin Ma, Rong Yuan, Di Wu, Zuo-Jun Max Shen)

“Data-Driven Research in Retail Operations—A review.”  
*Naval Research Logistics (NRL)* 67, no. 8 (2020): 595-616.  
(with Ho-Yin Mak, Zuo-Jun Max Shen)

“Integrating Prediction/Estimation and Optimization with Applications in Operations Management.”  
*INFORMS TutORials in Operations Research*, 2022 (with Zuo-Jun Max Shen)

**Conference & Workshop**      “Smart Feasibility Pump: Reinforcement Learning for (Mixed) Integer Programming.”  
ICML 2021 RL for Real Life Workshop.  
**Selected for Spotlight Presentation.** (with Mengxin Wang, Zuo-Jun Max Shen)

**Selected Working Papers**      “Integrated Conditional Estimation-Optimization.”  
Under review.  
(with Paul Grigas, Zuo-Jun Max Shen)

“Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing.”  
Under revision.

(with Mengxin Wang, Junyu Cao, Zuo-Jun Max Shen)

“Learning Operational Decisions with Intertemporal Dependence and Moderate Non-stationarities.”

Under revision.

(with Zeyu Zheng, Zuo-Jun Max Shen)

“Data-Driven Nonparametric Product Design.

Work in progress.”

(with Mengxin Wang, Zuo-Jun Max Shen)

**Teaching Experiences**

**Instructor**, UC Berkeley

*IEOR 253/CEE 258, Supply Chain and Logistics Management*

Spring 2021

PhD/MS core course in supply chain and logistic management

Teaching evaluation: 4.75/5.00 (IEOR 253, department average 4.22), 5.00/5.00 (CEE 258)

**Co-Instructor**, UC Berkeley

*IEOR 253/CEE 258, Supply Chain and Logistics Management*

Spring 2020

PhD/MS/MEng core course in supply chain and logistic management

**Graduate Student Instructor**, UC Berkeley

*IEOR 142 Introduction to Machine Learning and Data Analytics*

Fall 2017& 2018

Undergraduate core course in data analytics (with R).

*IEOR 242 Applications in Data Analysis*

Spring 2018

MEng core course in data analytics (with R).

**Industry Experiences**

Research Scientist Intern, **Amazon**

New York, Summer 2021

- Developed reinforcement learning methods for dual-sourcing, which could decrease the buying cost by up to 20% by simulation.
- Presented at Amazon Reinforcement Learning Research Summit.

Research Scientist Intern, **JD.com**

Mountain View, Summer 2018

- Developed a practical end-to-end inventory management model empowered by deep learning. This model has been implemented in JD.com’s logistics system since 2020.
- This model is currently responsible for the replenishment decisions for 7000+ SKUs and the number is expanding.

**Honors and Awards**

1. Semi-finalist, Gartner Power of the Profession Supply Chain Award 2022
2. Outstanding GSI Award Berkeley 2021
3. Marshall-Oliver-Rosenberger Fellowship Berkeley IEOR 2020
4. Graduate Remote Instruction Innovation Fellows Berkeley 2020
5. Honorable Mention, POMS-HK Best Student Paper Competition 2020
6. IEOR Department Fellowship Award Berkeley IEOR 2016
7. Scholarship of Excellent Academic Performance Tsinghua University 2014
8. First Prize, Chinese Physics Olympiad 2011

**Services**

Reviewer for *Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management*

Session Chair, INFORMS Annual Meeting, 2021

”Robust and stochastic decision-making under uncertainty”

Session Chair, INFORMS Annual Meeting, 2020

”On prediction and optimization in data-driven decision-making systems”

Organizer, Student Summer Seminar Series, IEOR Department, UC Berkeley, Summer 2019.