

Meng Qi

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Academic Appointments	Assistant Professor, Cornell University Operations, Technology and Information Management, Nolan School of Hotel Administration, Cornell SC Johnson College of Business	Ithaca, NY 2022-present
Education	University of California, Berkeley Ph.D. in Industrial Engineering & Operations Research <i>Minor:</i> Statistics & Machine Learning	Berkeley, CA 2016-2022
	University of California, Berkeley M.Sc. in Industrial Engineering & Operations Research	Berkeley, CA 2016-2017
	Tsinghua University B.Sc. in Mathematics and Physics	Beijing, China 2012-2016
Journal Publications	Qi., M., P. Grigas, Z.-J. Shen. 2025. Integrated Conditional Estimation-Optimization. <i>Operations Research</i> . https://doi.org/10.1287/opre.2023.0427 - Selected for 2025 Business Analytics, Artificial Intelligence, and Cherry Blossom Conference.	
	Qi., M., Z.-J. Shen, Z. Zheng. 2024. Learning Newsvendor Problem with Intertemporal Dependence and Moderate Non-stationarities. <i>Production and Operations Management</i> , 33(5), 1196-1213.	
	Qi, M., Y. Shi, Y. Qi, C. Ma, R. Yuan, D. Wu, Z.-J. Shen. 2023. A Practical End-to-End Inventory Management Model with Deep Learning. <i>Management Science</i> , 69(2), 759-773. https://doi.org/10.1287/mnsc.2022.4564 - Deployed in production at JD.com since 2020 for over 10,000 SKUs. - Shortlisted for semi-finalist of 2022. Gartner Power of the Profession Supply Chain Award. - Contributed to the finalist of 2023 INFORMS Franz Edelman Award (Awarded to JD.com)	
	Qi, M., Y. Cao, Z.-J. Shen. 2022. Distributionally Robust Conditional Quantile Prediction with Fixed Design. <i>Management Science</i> , 68(3), 1639-1658. https://doi.org/10.1287/mnsc.2020.3903 - Honorable mention, POMS-HK best student paper competition, 2020.	
	Qi, M., H.-Y. Mak, Z.-J. Shen. 2020. 'Data-Driven Research in Retail Operations—A Review. <i>Naval Research Logistics (NRL)</i> 67, no. 8 (2020): 595-616. https://doi.org/10.1002/nav.21949	
	Qi, M., Z.-J. Shen. 2022. Integrating Prediction/Estimation and Optimization with Applications in Operations Management. In <i>Tutorials in Operations Research: Emerging and Impactful Topics in Operations</i> (pp. 36-58). INFORMS. https://doi.org/10.1287/educ.2022.0249	

Selected Working Papers Wang, M., M. Qi, Z.-J. Shen. 2023. A Learning and Optimization Framework for Personalized Product Design.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4554710
Major Revision at *Management Science*

Guo, H., M. Qi, W. Qi. 2024. Overworking or Outsourcing: Integrated Prediction-Optimization for Order Assignment in Last-Mile Delivery.

R&R at *Management Science*
https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5054050

- Finalist, IISE DAIS Best Student Paper Award, 2024 (Guo).
- Winner, INFORMS TSL Best Student Paper Prize, 2025 (Guo).
- 2025 TSL Cross-Regional Doctoral Grant (Guo).

Wang, M., M. Qi, J. Cao, Z.-J. Shen. 2020. Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing.

R&R at *Manufacturing & Service Operations Management*.

Qi, M., M. Zhu. 2024. Mechanism for Collaborative Federated Learning: A Pitfall of Shapley Values.

Working paper.

<https://arxiv.org/abs/2403.04753>

Chen, L., X. Chen, M. Qi. 2025. Data-Driven Contextual Value-Based Pricing.

Working paper.

https://papers.ssrn.com/sol3/papers.cfm?abstract_id=5573459

Nu, Y., M. Qi, E. Belavina, K. Girotra. 2024. Human-Centric Perishable Inventory Management with AI-Assistance.

Work in progress. Manuscript available upon request.

- Selected for **Spotlight Presentation** at NeurIPS 2025 MLxOR workshop.

Conference & Workshop Qi, M., M. Wang, Z.-J. Shen. 2021. Smart Feasibility Pump: Reinforcement Learning for (Mixed) Integer Programming.

<https://arxiv.org/abs/2102.09663>

ICML 2021 RL for Real Life Workshop. **Selected for Spotlight Presentation**.

Sun, S., M. Qi, Z.-J. Shen. 2024. Online MDP with Prototypes Information: A Robust Adaptive Approach.

<https://doi.org/10.1609/aaai.v39i19.34283>

The 39th Annual AAAI Conference on Artificial Intelligence.

Teaching Experience

Cornell University:

Instructor

HADM 2011

Spring 2023, 2024, Fall 2024, 2025

Hospitality Quantitative Analysis

Undergrad core course.

HADM 4750/6750

Spring 2024

Machine Learning for Business and Hospitality Applications

Joint listed undergrad and graduate elective course.

HADM 9310

Spring 2024

	<i>Service & Healthcare Operations</i> Cornell SC Johnson OTIM PhD course series. <i>NRE 5460</i> <i>Data Analytics in OM</i> Cornell SC Johnson OTIM PhD course series.	Fall 2024
<i>UC Berkeley:</i>		
Instructor	<i>IEOR 253/CEE 258, Supply Chain and Logistics Management</i> PhD/MS core course in supply chain and logistic management	Spring 2021
Co-Instructor	<i>IEOR 253/CEE 258, Supply Chain and Logistics Management</i>	Spring 2020
Graduate Student Instructor	<i>IEOR 142 Introduction to Machine Learning and Data Analytics</i> Undergraduate core course in data analytics (with R).	Fall 2017& 2018
	<i>IEOR 242 Applications in Data Analysis</i> MEng core course in data analytics (with R).	Spring 2018
Industry Experience	Research Scientist Intern, Amazon	New York, Summer 2021
	Research Scientist Intern, JD.com	Mountain View, Summer 2018
Honors and Awards	CHR Grailer Faculty Fellowship	2026-2027
	Semi-finalist, Gartner Power of the Profession Supply Chain Award	2022
	Outstanding GSI Award	Berkeley 2021
	Marshall-Oliver-Rosenberger Fellowship	Berkeley IEOR 2020
	Graduate Remote Instruction Innovation Fellows	Berkeley 2020
	Honorable Mention, POMS-HK Best Student Paper Competition	2020
	IEOR Department Fellowship Award	Berkeley IEOR 2016
	Scholarship of Excellent Academic Performance	Tsinghua University 2014
	First Prize, Chinese Physics Olympiad	2011
Services	Journal reviewer: <i>Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, Mathematical Programming, Informs Journal of Computing, IIE Transactions, Naval Research Logistics.</i>	
	Member: <i>INFORMS, MSOM Society, POMS, SIAM, SPS</i>	
	Organizer , Cornell OTIM seminar (Since Spring 2024); Cornell OTIM research symposium (June 2024 and 2025); UC Berkeley IEOR Student Summer Seminar Series(Summer 2019).	