

MENGXIN WANG

<https://mxwang.site>

Etcheverry Hall, 2521 Hearst Ave, Berkeley, CA, 94709

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Education

University of California, Berkeley

August 2017 – May 2023 (Expected)

Ph.D Candidate in Industrial Engineering and Operations Research

M.S in Industrial Engineering and Operations Research

Minor in Statistics and Machine Learning

Advisor: Dr. Zuo-Jun (Max) Shen

Tsinghua University

Aug 2013 - June 2017

B.Eng in Industrial Engineering (Summa Cum Laude)

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Honors and Awards

IEOR Faculty Fellowship	2022
Teaching Effectiveness Award	2022
Outstanding Graduate Student Instructor Award	2021
Graduate Remote Instruction Innovation Fellowship	2021
IEOR Department Award	2017-2020
Graduate Division Block Grant Award	2017
Beijing Outstanding Graduate	2017
University Outstanding Graduate	2017
Boeing Fellowship	2016
Science and Technology Innovation Fellowship	2016
Academic Excellence Fellowship	2015-2016
Tsinghua-Changhong Fellowship	2014

Journal Papers

- [1] **M. Wang**, P. Rusmevichientong, H. Zhang, Z. M. Shen. Joint Product Design and Dynamic Assortment Optimization: Integrating Strategic and Tactical Revenue Management. 2022. Major Revision at *Management Science*.
- [2] Y. Lin, **M. Wang**, Z. M. Shen, H. Zhang, R. Zhang. “Content Promotion for Online Content Platforms with Diffusion Effect”. 2021. Major Revision at *Manufacturing & Service Operations Management*.
- [3] **M. Wang**, M. Qi, J. Cao, Z. M. Shen. “Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing”. 2020.

Conference Papers

- [1] M. Qi*, **M. Wang***, Z. M. Shen. “Smart Feasibility Pump: Reinforcement Learning for (Mixed) Integer Programming”. 2021. ICML 2021 RL for Real Life Workshop. *Spotlight*. <http://arxiv.org/abs/2102.09663>.
- [2] N. Chen, **M. Wang**, X. Xie, L. Zheng, C. H. Swartz. ”Modeling and Analysis of the Waiting Time of Rapid Response Process in Acute Care”. 2018. *IEEE Robotics and Automation Letters*.

* denotes alphabetical ordering.

Book Chapter

[1] **M. Wang**, Z. M. Shen. “Online Retailing Inventory Management”. 2021. Invited book chapter for *Research Handbook on Inventory Management*.

Teaching Experiences

Co-instructor: IEOR 253/CEE 258 Supply Chain and Logistics Management (Spring 2021)
Teaching evaluation: 4.75/5.00 (IEOR 253, department average 4.22), 5.00/5.00 (CEE 258)

Graduate Student Instructor: IEOR 242 Applications in Data Analytics (Spring 2019, Fall 2019, Fall 2020)

Reader: IEOR 173 Probability and Risk Analysis for Engineers (Fall 2018)

Working Experience

Uber

June 2020 - August 2020

Data Science Intern @ Eats Pricing Team

- Worked on demand modeling and delivery fee optimization based on large-scale pricing data;
- Proposed a delivery fee optimization framework launched in the US market;
- Developed automated demand modeling pipeline for delivery fee optimization.

Invited Talks

[1] “Urban Courier: Operational Innovation And Data-driven Coverage-and-pricing”

- *Informs Annual Meeting*, Seattle, WA, 2019
- *Informs Annual Meeting*, Virtual 2020
- *ISTDM*, 2021

[2] “Joint Product Design and Dynamic Assortment Optimization: Integrating Strategic and Tactical Revenue Management”

- *Annual POMS Conference*, Virtual 2022