

# MENGXIN WANG

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## Education

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**University of California, Berkeley**

*August 2017 – Present*

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

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Graduate Remote Instruction Innovation Fellowship 2020

IEOR Department Award 2017-2020

Graduate Division Block Grant Award 2017

Beijing Outstanding Graduate 2017

University Outstanding Graduate 2017

Meritorious Winner in Interdisciplinary Content in Modeling 2016

Boeing Fellowship 2016

Science and Technology Innovation Fellowship 2016

Academic Excellence Fellowship 2015, 2016

Tsinghua-Changhong Fellowship 2014

## Publications & Preprints

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[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. <http://arxiv.org/abs/2102.09663>

[2] Y. Lin, **M. Wang**, Z. M. Shen, H. Zhang, R. Zhang. “Content Promotion for Online Content Platforms with Network Diffusion Effect”. 2021. Submitted to *Management Science*.

[3] **M. Wang**, M. Qi, J. Cao, Z. M. Shen. “Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing”. 2020. Major Revision at *Operations Research*.

[4] 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*

## Working Papers

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[1] P. Rusmevichientong\*, **M. Wang\***, H. Zhang\*, Z. M. Shen. “Optimizing Return Eligibility: Joint Management of Product Returns and Dynamic Assortment Planning”. 2021.

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

[3] **M. Wang**, M. Qi, Z. M. Shen. “Data-driven Nonparametric Product Design”. 2020.

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\* denotes alphabetical ordering.

## Teaching Experiences

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**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)

## Working Experience

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**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

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

- *Inform's Annual Meeting*, Seattle, WA, 2019
- *Inform's Annual Meeting*, Virtual 2020
- *ISTDM*, 2021