MENGXIN WANG

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Employment

The University of Texas at Dallas Richardson, TX
Naveen Jindal School of Management
Assistant Professor of Operations Management *Aug 2023 – Present*

Uber Technologies Inc San Fransisco, CA
Data Science Intern *June 2020 – Aug 2020*

Education

University of California, Berkeley Berkeley, CA
Ph.D. in Industrial Engineering and Operations Research *May 2023*
Minor in Statistics and Machine Learning
Advisor: Prof. Zuo-Jun (Max) Shen

University of California, Berkeley Berkeley, CA
M.S. in Industrial Engineering and Operations Research *May 2018*

Tsinghua University Beijing, China
B.Eng. in Industrial Engineering (*Summa Cum Laude*) *June 2017*

Publications

Journal

1. "Content Promotion for Online Content Platforms with Diffusion Effect," Y. Lin, M. Wang, H. Zhang, R. Zhang, and Z. M. Shen, **Manufacturing & Service Operations Management**, forthcoming.
   – **Winner**, Best Student Paper of Social Media Analytics, 2022 (Primary Awardee: Yunduan Lin)

2. "Optimizing Offline Product Design and Online Assortment Policy: Measuring the Relative Impact of Each Decision," M. Wang, H. Zhang, P. Rusmevichientong, and Z. M. Shen, **Management Science**, forthcoming.
   – **Finalist**, Jeff McGill Student Paper Award, 2022

3. "Modeling and Analysis of the Waiting Time of Rapid Response Process in Acute Care," N. Chen, M. Wang, X. Xie, L. Zheng, and C.H. Swartz, **IEEE Robotics and Automation Letters**, 2018.

Conference and Workshops

1. "Smart Feasibility Pump: Reinforcement Learning for (Mixed) Integer Programming," M. Wang, M. Qi, and Z. M. Shen, **ICML 2021 RL for Real Life Workshop**, Spotlight, 2021.

Book Chapter

1. "Online Retailing Inventory Management," M. Wang and Z. M. Shen, Invited book chapter for **Research Handbook on Inventory Management**, 2023.

Submitted and Working Papers

1. "A Learning and Optimization Framework for Personalized Product Design," M. Wang, M. Qi, and Z. M. Shen, under review at **Management Science**.

2. "Urban Courier: Operational Innovation and Data-driven Coverage-and-Pricing," M. Wang, M. Qi, J. Cao, and Z. M. Shen, reject and resubmit at **Manufacturing & Service Operations Management**.

Teaching

Instructor — UT Dallas
– OPRE 3310: Supply Chain and Operations Management (4.82/5) — *Fall 2023*

Co-instructor — UC Berkeley
– IEOR 253/CEE 258: Supply Chain and Logistics Management (4.75/5, 5/5) — *Spring 2021*

Graduate Student Instructor — UC Berkeley
– IEOR 242: Applications in Data Analytics — *Spring 2019, Fall 2019, Fall 2020*

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

Contributed and Invited Talks

"A Learning and Optimization Framework for Personalized Product Design"

– *INFORMS Annual Meeting*, Phoenix, AZ, 2023
– *POMS Annual Conference*, Orlando, FL, 2023

"Optimizing Offline Product Design and Online Assortment Policy: Measuring the Relative Impact of Each Decision"

– *POMS Annual Conference* (virtual), 2022
– *INFORMS Revenue Management and Pricing (RMP) Section Conference* (virtual), 2022

"Urban Courier: Operational Innovation And Data-driven Coverage-and-pricing"

– *INFORMS Annual Meeting*, Seattle, WA, 2019
– *INFORMS Annual Meeting* (virtual), 2020
– *International Symposium on Transportation Data and Modelling (ISTDM)*, 2021

Services

Member, Ph.D. Admissions Committee for the Operations Management Area, JSOM, UT Dallas, 2023
Ad-hoc Reviewer:

– Management Science, M&SOM, POM
– NeurIPS 2022 Workshop on RL for Real Life
– NeurIPS 2022 Workshop on Progress and Challenges in Building Trustworthy Embodied AI

Session Chair and Co-chair:

– "Innovation and algorithm advances in online marketplace", INFORMS, 2022

Computing

Python, R, Gurobi, Tensorflow, PyTorch