

# Hansheng Jiang

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EMPLOYMENT	<b>Rotman School of Management, University of Toronto</b> Assistant Professor	2023 – Present
EDUCATION	<b>University of California, Berkeley</b> Ph.D. in Industrial Engineering and Operations Research ◦ <i>Minors</i> in Statistics and Electrical Engineering M.S. in Industrial Engineering and Operations Research	2017 – 2023 2017 – 2018
	<b>University of Science and Technology of China</b> B.S. in Mathematics	2013 – 2017
PROFESSIONAL EXPERIENCE	<b>Amazon</b> Supply Chain Optimization Technologies (SCOT) Team <i>Research Scientist II Intern</i> ◦ Built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand <i>Research Scientist I Intern</i> ◦ Developed a demand forecasting pipeline with fine granularity in time and space	New York City Summer 2021 Summer 2020
	<b>Alibaba</b> Data Science Decision Support Team of Alibaba Cloud <i>Student Research Intern</i> ◦ Designed time series forecasting methods for cloud computing demand	Sunnyvale Summer 2019
	<b>University of California, Los Angeles</b> Department of Statistics <i>Research Assistant</i> ◦ Studied generative statistical models for high-dimensional data	Los Angeles Summer 2016
HONORS & AWARDS	Second Place, Doctoral Dissertation Award Competition, Conference on SCM in the Post-Pandemic and AI Age Winner, YinzOR Student Conference Flash Talk Competition Graduate Division Conference Travel Grant, UC Berkeley Finalist, MSOM Data-Driven Research Challenge Winner, IISA Best Student Paper Award in Theory & Methods Berkeley Fellowship Prestigious multi-year fellowship for incoming PhD students selected campuswide UCLA-CSST Fellowship Cross-disciplinary Scholars in Science and Technology program of UCLA Hua Luogeng Mathematics Scholarship National Scholarship in China	2023 2022 2021 & 2022 2020 2020 2017 – 2022 2016 2015 2015 & 2016

Top 2 % in the department

iGEM Gold Medal	2015
International Genetically Engineered Machine competition	
First Prize, China Mathematical Olympiad (Hubei Province)	2012
Silver Medal, China Girls Mathematical Olympiad	2011 & 2012
International competition for female students from all over China and invited nations	

## JOURNAL PAPERS

† stands for the alphabetical order or equal contribution.

- [1] Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. [Intertemporal Pricing via Nonparametric Estimation: Integrating Reference Effects and Consumer Heterogeneity](#).  
Forthcoming at **Manufacturing & Service Operations Management 2023+**  
◊ Finalist, MSOM Data-Driven Research Challenge 2020
- [2] Hansheng Jiang, Adityanand Guntuboyina. [A Nonparametric Maximum Likelihood Approach to Mixture of Regression](#).  
Under revision for resubmission to **Journal of the American Statistical Association**  
◊ Winner, Best Student Paper Award in Theory & Methods by the International Indian Statistical Association (IISA) 2020
- [3] Hansheng Jiang<sup>†</sup>, Shunan Jiang, Zuo-Jun Max Shen. [Learning While Repositioning in On-Demand Vehicle Sharing Systems](#).  
Submitted to at **Management Science**  
◊ Winner, YinzOR Student Conference Flash Talk Competition 2022
- [4] Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. [Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand](#).  
Submitted to **Operations Research**
- [5] Lin Zhao, Hansheng Jiang<sup>†</sup>, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler. [Supply Chain Forecast Sharing Under Asymmetric Forecast Preferences](#).  
Under major revision at **Production and Operations Management**

## CONFERENCE PAPERS

- [6] Hansheng Jiang, Zuo-Jun Max Shen, Junyu Liu. [Quantum Computing Methods for Supply Chain Management](#).  
*Proceedings of 2022 IEEE/ACM 7th Symposium on Edge Computing (SEC) — Quantum Computing Workshop*
- [7] Hansheng Jiang, Ruijun Ma, Nganba Meetei. [Counterfactual Forecast of Demand Lifts: A Double Machine Learning Approach](#).  
*Amazon Machine Learning Conference 2021 — Causal Inference Workshop*

## ACADEMIC SERVICE

### Journal Refereeing

Management Science, Management Science Reproducibility Project, Annals of Statistics, Transportation Science

### Conference Refereeing

MSOM Supply Chain Management SIG Meeting 2023

## Fairness, Accountability, and Transparency (FAccT) 2023

### Judge

CSAMSE 2023 Best Paper Award Competition

### Session Chair

INFORMS Annual Meeting 2022, 2023

### UNIVERSITY SERVICE

Volunteer, IEOR new student orientation	2019, 2021 & 2022
Panelist, IEOR information session for prospective students	2021
Signatory committee member, IEOR graduate student organization	2020

### TEACHING

University of Toronto	
<i>Instructor</i>	
RSM270H1 Operations Management	Spring 2024
University of California, Berkeley	
<i>Instructor</i>	
STAT 153: Introduction to Time Series	Spring 2023
<i>Graduate Student Instructor</i>	
UGBA 141: Production & Operations Management	Spring 2022
IEOR 173: Introduction to Stochastic Processes	Spring 2020
IEOR 262A: Mathematical Programming	Fall 2019
<i>Grader</i>	
UGBA 106: Marketing	Fall 2020
IEOR 263A: Applied Stochastic Processes	Fall 2018
University of Science and Technology of China	
<i>Undergraduate Student Instructor</i>	
MATH 100201: Multivariate Real Analysis	Spring 2016

### PRESENTATIONS

<i>Intertemporal Pricing in the Presence of Consumer Behaviors</i>	
YinzOR Conference Keynote Talk, Carnegie Mellon University	08/2023
<i>Intertemporal Pricing via Nonparametric Estimation</i>	
INFORMS Annual Meeting, Indianapolis, Indiana	10/2022
INFORMS Annual Meeting, Anaheim, California	10/2021
Revenue Management & Pricing Conference	06/2021
MSOM Data-Driven Challenge Finalist Presentation	11/2020
INFORMS Annual Meeting, Online	10/2020
INFORMS Annual Meeting, Seattle, Washington	11/2019
<i>A Nonparametric Maximum Likelihood Approach to Mixture of Regression</i>	
IISA Student Paper Award Presentation	07/2020
Amazon SCOT Visiting BAIR Workshop, UC Berkeley	01/2020
<i>Learning While Repositioning in On-Demand Vehicle Sharing Systems</i>	
Data-Driven Urban Tech Workshop Poster Session, Cornell Tech	05/2023
YinzOR Conference, Carnegie Mellon University	08/2022
Revenue Management & Pricing Conference	06/2022

*Quantum Computing and Operations Management*

Modeling and Optimization: Theory and Applications (MOPTA) Conference 08/2023

IEEE/ACM 7th Symposium on Edge Computing, Seattle, Washington 12/2022

**CODE PACKAGES** Estimation and optimization under consumer heterogeneity [[Code](#)]  
Nonparametric estimation of mixture of regression [[Code](#)]

**MISCELLANEOUS** **Computing:** Python, R, SQL, L<sup>A</sup>T<sub>E</sub>X, HTML, Gurobi, AMPL  
**Recreation:** Culinary enthusiast, progressing tennis aficionado, and delighted keeper of a Ragdoll cat