

# Hansheng Jiang

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ACADEMIC APPOINTMENT	<b>Rotman School of Management, University of Toronto</b> Assistant Professor	Starting at 07/2023
RESEARCH INTERESTS	I am broadly interested in data-driven decision-making, data analytics, stochastic modeling, nonparametric statistics, machine learning, with applications in retailing, supply chains, transportation, etc.	
EDUCATION	<b>University of California, Berkeley</b> Ph.D. in Industrial Engineering & Operations Research ◦ <i>Minors</i> in Statistics and Electrical Engineering ◦ Advisors: Zuo-Jun Max Shen, Aditya Guntuboyina	2023 (Expected)
	<b>University of Science and Technology of China</b> B.S. in Mathematics ◦ GPA Top 2% (Outstanding Graduate Award)	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	Summer 2021
	<i>Research Scientist I Intern</i> ◦ Developed a demand forecasting pipeline with fine granularity in time and space	Summer 2020
	<b>Alibaba Group USA</b> Data Science Decision Support Team of Alibaba Cloud <i>Student Research Intern</i> ◦ Designed time series forecasting methods for cloud computing demand	Summer 2019
	<b>University of California, Los Angeles</b> Department of Statistics <i>Research Assistant</i> ◦ Studied generative statistical models for high-dimensional data	Summer 2016
TEACHING	At UC 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

*Grader*

UGBA 106: Marketing	Fall 2020
IEOR 263A: Applied Stochastic Processes	Fall 2018

At USTC

*Undergraduate Student Instructor*

MATH 100201: Multivariate Real Analysis	Spring 2016
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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<sup>†</sup>, Zuo-Jun Max Shen. [Learning While Repositioning in On-Demand Vehicle Sharing Systems](#).

Under review 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](#).

Reject & Resubmit at *Operations Research*.

[5] Lin Zhao<sup>†</sup>, 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)*.

PAPER  
REFEREEING

**Journals Refereeing**

Management Science, Annals of Statistics, Management Science Reproducibility Project

### Conferences Refereeing

MSOM Special Interest Groups (SIG) Conference (2023), Fairness, Accountability, and Transparency (FAcCT) (2023)

OTHER ACADEMIC SERVICE	INFORMS Session Chair	
	Innovations in Decision-Making	2023
	Learning and Optimization in Pricing	2022
	Member, INFORMS Mentorship Program	Since 2018
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
HONORS & AWARDS	Winner, YinzOR Student Conference Flash Talk Competition	2022
	Graduate Division Conference Travel Grant, UC Berkeley	2021 & 2022
	Finalist, MSOM Data-Driven Research Challenge	2020
	Winner, IISA Best Student Paper Award in Theory & Methods	2020
	Berkeley Fellowship	2017 – 2022
	Prestigious multi-year fellowship for incoming PhD students selected campuswide	
	UCLA-CSST Fellowship	2016
	Cross-disciplinary Scholars in Science and Technology program	
	Hua Luogeng Mathematics Scholarship	2015
	National Scholarship in China (top 2% of the department)	2015 & 2016
	iGEM Gold Medal Team	2015
	International Genetically Engineered Machine competition	
	First Prize, China Mathematical Olympiad (provincial)	2012
TALKS	Silver Medal, China Girls Mathematical Olympiad	2011 & 2012
	International competition for female students from all over China and invited nations	
	<i>Intertemporal Pricing via Nonparametric Estimation</i>	
	INFORMS Annual Meeting, Indianapolis, Indiana	10/2022
	INFORMS Annual Meeting, Anaheim, California	10/2021
	INFORMS 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

*A Nonparametric Maximum Likelihood Approach to Mixture of Regression*

IISA Student Paper Award Presentation 07/2020

Amazon SCOT Visiting BAIR Workshop, Berkeley 01/2020

*Learning While Repositioning in On-Demand Vehicle Sharing Systems*

YinzOR Student Conference, Pittsburgh, Pennsylvania 08/2022

INFORMS Revenue Management & Pricing Conference 06/2022

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

SKILLS Python, R, SQL,  $\text{\LaTeX}$ , HTML, Gurobi, AMPL

PERSONAL Pronouns: she/her

INFO Birth year: 1996

Recreational activities: tennis, hiking, cat-sitting, cooking