

Hansheng Jiang

Last updated: April 2023

CONTACT	Email: hansheng_jiang@berkeley.edu	Website: hanshengjiang.github.io
ACADEMIC APPOINTMENT	Rotman School of Management, University of Toronto 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	University of California, Berkeley Ph.D. in Industrial Engineering & Operations Research ◦ <i>Minors</i> in Statistics and Electrical Engineering ◦ Advisors: Zuo-Jun Max Shen, Aditya Guntuboyina	2023 (Expected)
	University of Science and Technology of China B.S. in Mathematics ◦ GPA Top 2% (Outstanding Graduate Award)	2017
PROFESSIONAL EXPERIENCE	Amazon 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
	Alibaba Group USA Data Science Decision Support Team of Alibaba Cloud <i>Student Research Intern</i> ◦ Designed time series forecasting methods for cloud computing demand	Summer 2019
	University of California, Los Angeles 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
---	-------------

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[†], Shunan Jiang[†], 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[†], Hansheng Jiang[†], 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) Workshop on Quantum Computing.

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, \LaTeX , HTML, Gurobi, AMPL

PERSONAL Pronouns: she/her

INFO Birth year: 1996

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