

# Hansheng Jiang

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CONTACT	Email: <a href="mailto:hansheng_jiang@berkeley.edu">hansheng_jiang@berkeley.edu</a>	Website: <a href="https://hanshengjiang.github.io">hanshengjiang.github.io</a>
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  <b>University of Science and Technology of China</b> B.S. in Mathematics ◦ GPA Top 2% (Outstanding Graduate Award)	2023 (Expected)      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  <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  <b>University of California, Los Angeles</b> Department of Statistics <i>Research Assistant</i> ◦ Studied generative statistical models for high-dimensional data	Summer 2021           Summer 2020            Summer 2019            Summer 2016
TEACHING	At UC Berkeley <i>Instructor</i> STAT 153: Introduction to Time Series  <i>Graduate Student Instructor</i> UGBA 141: Production & Operations Management	Spring 2023      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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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 by 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
Silver Medal, China Girls Mathematical Olympiad	2011 & 2012
International competition for female students from all over China and some invited nations	

JOURNAL  
PAPERS

[J1] [Intertemporal Pricing via Nonparametric Estimation: Integrating Reference Effects and Consumer Heterogeneity](#). Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen.

Forthcoming at *Manufacturing & Service Operations Management 2023+*.

◊ Finalist, MSOM Data-Driven Research Challenge 2020

[J2] [A Nonparametric Maximum Likelihood Approach to Mixture of Regression](#). Hansheng Jiang, Adityanand Guntuboyina.

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

[J3] [Learning While Repositioning in On-Demand Vehicle Sharing Systems](#). Hansheng Jiang\*, Shunan Jiang\*, Zuo-Jun Max Shen.

Under review at *Management Science*.

◊ Winner, YinzOR Student Conference Flash Talk Competition 2022

[J4] [Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand](#). Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen.  
Reject & Resubmit at *Operations Research*.

[J5] [Supply Chain Forecast Sharing Under Asymmetric Forecast Preferences](#). Lin Zhao\*, Hansheng Jiang\*, Mengshi Lu, Zuo-Jun Max Shen, Kemal Guler.  
Under major revision at *Production and Operations Management*.

CONFERENCE PAPERS [C1] [Quantum Computing Methods for Supply Chain Management](#). With Zuo-Jun Max Shen, Junyu Liu.  
*Proceedings of 2022 IEEE/ACM 7th Symposium on Edge Computing (SEC) Workshop on Quantum Computing*.

\* indicates the alphabetical order or equal contribution.

PAPER REFERENCEING **Journals**  
Management Science, Annals of Statistics, Management Science Reproducibility Project

**Conferences**  
MSOM Special Interest Groups (SIG) 2023  
Fairness, Accountability, and Transparency (FAccT) 2023

OTHER ACADEMIC SERVICE INFORMS Session Chair  
MSOM Cluster: Advances in Data-Driven Operations 2023  
RMP Cluster: 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

TALKS **Intertemporal Pricing via Nonparametric Estimation**  
INFORMS Annual Meeting, Indianapolis, Indiana 10/2022  
INFORMS Annual Meeting, Anaheim, CA 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, WA 11/2019

**A Nonparametric Maximum Likelihood Approach to Mixture of Regression**  
IISA Student Paper Award Presentation 07/2020

Amazon SCOT Visiting BAIR Workshop, Berkeley, CA 01/2020

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

YinzOR Student Conference, Pittsburgh, PA 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