

Hansheng Jiang

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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 University of Science and Technology of China B.S. in Mathematics ◦ GPA Top 2% (Outstanding Graduate Award)	2023 (Expected) 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 <i>Research Scientist I Intern</i> ◦ Developed a demand forecasting pipeline with fine granularity in time and space 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 University of California, Los Angeles 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 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 invited nations	

JOURNAL
PAPERS

† stands for the alphabetical order or equal contribution.

[1] Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. [Intertemporal Pricing via Non-parametric 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).

PAPER REFEREEING

Journals Refereeing

Management Science

Annals of Statistics

Management Science Reproducibility Project

Conferences Refereeing

MSOM Supply Chain Management SIG Meeting 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

TALKS

Intertemporal Pricing via Nonparametric Estimation

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

<i>Learning While Repositioning in On-Demand Vehicle Sharing Systems</i>	
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]
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SKILLS	Python, R, SQL, \LaTeX , HTML, Gurobi, AMPL
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PERSONAL INFO	Pronouns: she/her Birth year: 1996 Recreational activities: tennis, hiking, cat-sitting, cooking
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