

Hansheng Jiang

PERSONAL	Pronouns: she/her Email: hansheng_jiang@berkeley.edu Phone: +1 510-833-8004 Homepage: hanshengjiang.github.io
EDUCATION	University of California, Berkeley Ph.D. in Industrial Engineering & Operations Research 2023 (Expected) <i>Minors</i> in Statistics and Electrical Engineering Advisor: Prof. Zuo-Jun Max Shen Co-advisor: Prof. Aditya Guntuboyina (Department of Statistics) University of Science and Technology of China B.S. in Mathematics 2017 ◦ GPA Top 2 %
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.
PROFESSIONAL EXPERIENCE	Amazon Supply Chain Optimization Technologies (SCOT) Team New York City Manager: Dr. Abhishek Gupta <i>Research Scientist II Intern</i> May 2021 – Aug 2021 ◦ Built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand <i>Research Scientist I Intern</i> May 2020 – Aug 2020 ◦ Developed a demand forecasting methodology with fine granularity in time and space Alibaba Group USA Data Science Decision Support Team of Alibaba Cloud Sunnyvale Manager: Dr. Wanyi Zhu <i>Student Research Intern</i> May 2019 – Aug 2019 ◦ Designed time series forecasting methods for cloud computing demand. University of California, Los Angeles Los Angeles Department of Statistics Mentor: Prof. Ying Nian Wu <i>Research Assistant</i> June 2016 – Sept 2016 ◦ Studied generative statistical models for high-dimensional data
TEACHING EXPERIENCE	<i>Instructor</i> STAT 153: Introduction to Time Series Spring 2023 Undergraduate statistics elective course taught by me <i>Graduate Student Instructor</i> UGBA 141: Production & Operations Management Spring 2022 Undergraduate business elective course taught by Prof. Park Sinchaisri IEOR 173: Introduction to Stochastic Processes Spring 2020 Undergraduate operations research core course taught by Prof. Zeyu Zheng IEOR 262A: Mathematical Programming Fall 2019

PhD operations research core course taught by Prof. Alper Atamtürk

Grader

UGBA 106: Marketing Fall 2020

Undergraduate business core course taught by Prof. Ming Hsu

IEOR 263A: Applied Stochastic Processes Fall 2018

PhD operations research core course taught by Prof. Rhonda Righter

Undergraduate Student Instructor

MATH 100201: Multivariate Real Analysis Spring 2016

Undergraduate mathematics core course taught by Prof. Jiansong Deng

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
Outstanding Graduate Award (provincial)	2017
UCLA-CSST Fellowship	2016
Hua Luogeng Mathematics Scholarship	2015
National Scholarship in China (top 2% of the department)	2015 & 2016
Gold Medal, International Genetically Engineered Machine Competition	2015
First Prize, China Mathematical Olympiad (provincial)	2012
Silver Medal, China Girls Mathematical Olympiad	2011 & 2012

PAPERS

1. Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. [Intertemporal Pricing via Non-parametric Estimation: Integrating Reference Effects and Consumer Heterogeneity](#). *Manufacturing & Service Operations Management (Articles in Advance)* 2022.

🏆 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*.

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*.

* indicates equal contribution.

SERVICES & ACTIVITIES	Session Chair of “Learning and Optimization in Pricing” at INFORMS 2022
	Referee for <i>Management Science</i> (2), <i>Management Science Reproducibility Project</i> (1), <i>Annals of Statistics</i> (1)
	Member of Women in ORMS Mentorship Program
	Departmental 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: Integrating Reference Effects and Consumer Heterogeneity
	INFORMS Annual Meeting, Anaheim, CA Oct 2021
	INFORMS Revenue Management & Pricing Conference June 2021
	MSOM Data-Driven Challenge Finalist Presentation Nov 2020
	INFORMS Annual Meeting, Online Oct 2020
	INFORMS Annual Meeting, Seattle, WA Nov 2019
	A Nonparametric Maximum Likelihood Approach to Mixture of Regression
	IISA Student Paper Award Presentation July 2020
	Amazon SCOT Visiting BAIR Workshop, Berkeley, CA Jan 2020
	Learning While Repositioning in On-Demand Vehicle Sharing Systems
	YinzOR Student Conference, Pittsburgh, PA Aug 2022
	INFORMS Revenue Management & Pricing Conference June 2022
CODE & SOFTWARE	Estimation and optimization under consumer heterogeneity [Code]
	Nonparametric estimation of mixture of regression [Code]
TECHNICAL SKILLS	Python, R, SQL, L ^A T _E X, HTML, Gurobi, AMPL, experience with large-scale real-data processing and analyzing
REFERENCES	Zuo-Jun Max Shen (Professor)
	University of California, Berkeley
	maxshen@berkeley.edu
	Adityanand Guntuboyina (Associate Professor)
	University of California, Berkeley
	aditya@stat.berkeley.edu
	Junyu Cao (Assistant Professor)
	University of Texas at Austin
	junyu.cao@mcombs.utexas.edu
	Park Sinchaisri (Assistant Professor)
	University of California, Berkeley
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