

Hansheng Jiang

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CONTACT	hansheng_jiang@berkeley.edu (+1) 510-833-8004	https://hanshengjiang.github.io
EDUCATION	University of California, Berkeley Ph.D. in Industrial Engineering & Operations Research Aug 2017 – Present <i>Minors</i> in Statistics and Electrical Engineering Advisors: Zuo-Jun Max Shen and Aditya Guntuboyina (Department of Statistics) University of Science and Technology of China B.S. in Mathematics Aug 2013 – May 2017	
RESEARCH INTERESTS	Interface of operations management and statistics, decision-making methodologies, data-driven analytics, and real-world problems in online retailing, revenue management, supply chain management, sharing economy, etc.	
PAPERS	<ol style="list-style-type: none">1. Hansheng Jiang, Junyu Cao, Zuo-Jun Max Shen. “Intertemporal Pricing via Non-parametric Estimation: Integrating Reference Effects and Consumer Heterogeneity”. Accepted in <i>Manufacturing & Service Operations Management</i>. ✧ Finalist, MSOM Data-Driven Research Challenge 2020 (top 4 of all submissions)2. Hansheng Jiang, Adityanand Guntuboyina. “A Nonparametric Maximum Likelihood Approach to Mixture of Regression”. R&R in <i>Journal of the American Statistical Association</i>. ✧ Winner, IISA Best Student Paper Competition 20203. Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. “Multi-Product Dynamic Pricing with Reference Effects under Logit Demand”. Under review.4. Hansheng Jiang[†], Shunan Jiang[†], Zuo-Jun Max Shen “Learning While Repositioning in On-demand Vehicle Sharing Systems”. In preparation.	
TEACHING EXPERIENCE	Production & Operations Management (UGBA 141) Haas School of Business, UC Berkeley <i>Graduate Student Instructor</i> Spring 2022 Marketing (UGBA 106) Haas School of Business, UC Berkeley <i>Grader</i> Fall 2020 Introduction to Stochastic Processes (IEOR 173) Department of Industrial Engineering & Operations Research, UC Berkeley <i>Graduate Student Instructor</i> Spring 2020 Mathematical Programming (IEOR 262A) Department of Industrial Engineering & Operations Research, UC Berkeley <i>Graduate Student Instructor</i> Fall 2019	

Applied Stochastic Processes (IEOR 263A)

Department of Industrial Engineering & Operations Research, UC Berkeley

Grader

Fall 2018

Mathematical Analysis

School of Mathematical Sciences, USTC

Undergraduate Student Instructor

Spring 2016

**INDUSTRY
EXPERIENCE****Amazon**

Supply Chain Optimization Technologies, New York City, NY

Research Scientist II Intern

May 2021 – Aug 2021

- I built statistical models and conducted data analysis to analyze the impacts of delivery speed on demand. I provided counterfactual prediction that supported the inventory planning and control team in selecting the most desired products into the faster delivery program.
- I coauthored a technical report, and the report was accepted for poster presentation at the causal inference workshop of Amazon's annual machine learning conference.

Research Scientist I Intern

May 2020 – Aug 2020

- I worked as part of the demand forecasting team to provide reliable demand prediction to guide downstream decision-making amid the challenges of oscillating demand and unstable supply during COVID-19.
- I developed a demand forecasting methodology with features of fine granularity in time and space. My prototyped model was continued by the team for production in the whole US marketplace after my internship.

Alibaba Group

Data Science Decision Support, Sunnyvale, CA

Student Research Intern

May 2019 – Aug 2019

- I worked in the decision support team of Alibaba Cloud, a cloud computing company and a subsidiary of Alibaba Group. I studied and proposed time series forecasting methods for cloud computing demand.

**OTHER
EXPERIENCE****University of California, Los Angeles**

Department of Statistics

Research Assistant

June 2016 – Sept 2016

Mentors: Prof. Ying Nian Wu and Dr. Jianwen Xie

- I studied statistics and machine learning tools for signal modeling and image synthesis. I was fully supported by a UCLA-CSST scholarship and a USTC scholarship for study abroad.

**SERVICES &
ACTIVITIES**Reviewer for *Annals of Statistics*

Session chair, INFORMS Annual Meeting 2022

- General session: Learning and Optimization in Pricing

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

MENTORSHIP Co-mentor (with Zuo-Jun Max Shen) for Vishrut Rana (B.S. '22 IEOR) exploring the literature on car-sharing services and revenue management 2020 – 2021

HONORS & AWARDS Graduate Division Conference Travel Grant, UC Berkeley 2021
 Finalist, MSOM Data-Driven Research Challenge 2020
 Winner, IISA Student Paper Competition 2020
 Berkeley Fellowship 2017 – 2022
 Outstanding Graduate Award, Anhui Province 2017
 UCLA-CSST Fellowship 2016
 Hua Luogeng Mathematics Scholarship 2015
 National Scholarship (top 2% of the department) 2015 & 2016
 Gold Medal, International Genetically Engineered Machine (iGEM) 2015
 First Prize, National College Student Mathematics Contest 2014
 First Prize, China Mathematical Olympiad, Hubei Province 2012
 Silver Medal, China Girls' Mathematical Olympiad 2011 & 2012

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 Competition Presentation Virtual July 2020
 Amazon SCOT Visiting BAIR Workshop, Berkeley, CA Jan 2020
 Learning While Repositioning in On-demand Vehicle Sharing Systems
 CMU YinzOR Workshop Flash Talk Aug 2022
 INFORMS Revenue Management & Pricing Conference June 2022

COMPUTER SKILLS Python, R, MATLAB, AMPL, Gurobi, SQL
 Rich experience dealing with real data from industry

PERSONAL INFORMATION Extracurricular activities: cat-sitting, cooking, hiking, tennis, traveling
 Pronouns: she/her/hers