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Address: 105 St George St, Toronto, ON M5S 3E6

Employment Rotman School of Management, University of Toronto

Assistant Professor of Operations Management and Statistics 2023 – present

Education University of California, Berkeley

Ph.D. in Industrial Engineering and Operations Research

• Minors in Statistics and Electrical Engineering

M.S. in Industrial Engineering and Operations Research 2018

University of Science and Technology of China

B.S. in Mathematics 2017

Journal Papers

- [J1] 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
 - Media coverage
- [J2] 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
- [J3] Hansheng Jiang^{α}, Shunan Jiang^{α}, Zuo-Jun Max Shen^{α}, Chunlin Sun^{α}. **Learning While Repositioning in On-Demand Vehicle Sharing Systems.**

Submitted to Management Science.

- Winner, YinzOR Student Conference Flash Talk Competition 2022
- [J4] Mengzi Amy Guo, Hansheng Jiang, Zuo-Jun Max Shen. Multi-Product Dynamic Pricing with Reference Effects Under Logit Demand.
- [J5] Lin Zhao, Hansheng Jiang, Mengshi Lu, Zuo-Jun Max Shen, Kemal Güler. **Supply Chain Forecast Sharing Under Asymmetric Forecast Preferences.**

Under major revision at *Production and Operations Management*.

[J6] Junyu Liu, Hansheng Jiang, Zuo-Jun Max Shen. **Potential Energy Advantage of Quantum Economy.**

 $[\]alpha$ denotes alphabetical order. <u>Underlined</u> are student or postdoc collaborators.

♦ Media coverage

Conference Papers

[C1] Zeqi Ye, Hansheng Jiang. Smoothness-Adaptive Dynamic Pricing with Nonparametric Demand Learning.

Proceedings of 27th International Conference on Artificial Intelligence and Statistics (AISTATS) 2024.

Acceptance rate: 27.58%

[C2] Hansheng Jiang, Zuo-Jun Max Shen, Junyu Liu. **Quantum Computing Methods for Supply Chain Management.**

Proceedings of IEEE/ACM 7th Symposium on Edge Computing (SEC) 2022.

Other Works

[O1] Fišar, Miloš, Ben Greiner, Christoph Huber, Elena Katok, Ali Ozkes, and the Management Science Reproducibility Collaboration. **Reproducibility in Management Science.**

Management Science.

Note: As a Member of the Management Science Reproducibility Collaboration

[O2] Hansheng Jiang, Ruijun Ma, Nganba Meetei. Counterfactual Forecast of Demand Lifts: A Double Machine Learning Approach.

Amazon Machine Learning Conference 2021 Causal Inference Workshop.

Teaching

University of Toronto

Instructor

RSM 270 Operations Management Winter 2024

University of California, Berkeley

Instructor

STAT 153: Introduction to Time Series Spring 2023

Graduate Student Instructor

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

University of Science and Technology of China

Undergraduate Student Instructor

MATH 100201: Multivariate Real Analysis Spring 2016

Student Supervision

I have had the pleasure of working with:

◇ Zeqi Ye (Undergraduate in Statistics at Nankai University) Co-authored paper [C1]

Academic Service

Journal Refereeing

Management Science

Manufacturing & Service Operations Management

Annals of Statistics

INFORMS Journal on Computing

Transportation Science

Conference Refereeing

MSOM Supply Chain Management SIG Conference Fairness, Accountability, and Transparency (FAccT)

Award Competition Committee

Observer, Franz Edelman Award Competition Committee 2024

Member of Coaching Team for Franz Edelman Award Finalists 2024

Judge, Best Paper Award Competition by Chinese Scholars Association for Management Science and Engineering (CSAMSE) 2023

Session Chair

INFORMS Annual Meeting 2022, 2023

Mentorship

Mentor, INFORMS Mentor Match Program

Internal Service

Interviewer, Master of Management Analytics (MMA) Admission 2023

Professional Experience

Amazon

Supply Chain Optimization Technologies (SCOT) Team, New York, NY

Research Scientist II Intern

Built statistical models and conducted large-scale data analysis to analyze the impacts of delivery speed on demand

Research Scientist I Intern

Summer 2020

Summer 2021

Developed a demand forecasting pipeline with fine granularity in time and space

Alibaba

Data Science Decision Support Team of Alibaba Cloud, Sunnyvale, CA

Student Research Intern Summer 2019

Designed time series forecasting methods for cloud computing demand

University of California, Los Angeles

Department of Statistics

Research Assistant Summer 2016

Studied generative statistical models for high-dimensional data

Grants	CANSSI Ontario Multidisciplinary Doctoral (Mdoc) Grant — Joint with Qiang Sun	2024		
	Dobson Business & Climate Project Research Grant \$2000	2023		
Honors & Awards	Second Place, Doctoral Dissertation Award Competition, Conference on SCM in the Post- Pandemic and AI Age 2023			
	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 Prestigious multi-year fellowship for incoming PhD students selected campuswide	2017 – 2022		
	Cross-disciplinary Scholars in Science and Technology program, UCLA	2016		
	Hua Luogeng Mathematics Scholarship	2015		
	National Scholarship in China Top 2 % in the School of Mathematical Sciences	2015 & 2016		
	Gold Medal, International Genetically Engineered Machine competition (iGE	M) 2015		
	First Prize, China Mathematical Olympiad (Hubei Province)	2012		
	Silver Medal, China Girls Mathematical Olympiad International competition for female students from all over China and invited nations	2011 & 2012		
Presentations	"Learning While Repositioning in On-Demand Vehicle Sharing Systems" POMS-HK	01/2024		
	School of Management, University of Science and Technology of China	12/2023		
	INFORMS Annual Meeting, Phoenix	10/2023		
	Data-Driven Urban Tech Workshop Poster Session, Cornell Tech	05/2023		
	YinzOR Conference, Carnegie Mellon University	08/2022		
	Revenue Management & Pricing Conference	06/2022		
	"Intertemporal Pricing in the Presence of Consumer Behaviors via Nonparametric Estimation"			
	YinzOR Conference Keynote Talk, Carnegie Mellon University	08/2023		
	INFORMS Annual Meeting, Indianapolis	10/2022		
	INFORMS Annual Meeting, Anaheim	10/2021		
	Revenue Management & Pricing Conference MSOM Data-Driven Challenge Finalist Presentation	06/2021 11/2020		
	INFORMS Annual Meeting, Online	10/2020		
	INFORMS Annual Meeting, Seattle	11/2019		
	"A Nonparametric Maximum Likelihood Approach to Mixture of Regression			
	IISA Student Paper Award Presentation	07/2020		

Amazon SCOT Visiting BAIR Workshop, UC Berkeley 01/2020

"Quantum Computing and Operations Management"

Modeling and Optimization: Theory and Applications (MOPTA), Lehigh 08/2023 IEEE/ACM 7th Symposium on Edge Computing, Seattle 12/2022

Software IPRE: Intertemporal pricing under reference effects [Code]

NPMLE: Nonparametric estimation of mixture of regression [Code]

Miscellaneous Computing: Python, R, SQL, LATEX, HTML, Gurobi, AMPL

Recreation: Culinary enthusiast, progressing tennis aficionado, and delighted keeper of

a Ragdoll cat