

Jane Yi Jiang

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650 Fisher Hall, 2100 Neil Ave Columbus, Ohio 43210

Research Interest

My research interests lie in marketplace innovation and operations, focusing on how market and information designs can benefit all stakeholders and enhance societal well-being. I employ a combination of econometric and data science tools to analyze large-scale datasets and derive valuable business insights.

Academic

Assistant Professor, Fisher College of Business, The Ohio State University

Department of Operations and Business Analytics, 2024–Present

Education

Robert H. Smith School of Business, University of Maryland, College Park

Ph.D. Candidate in Operations Management & Management Science, 2024

Minor in Economics

Job market paper: An Empirical Study of Blockchain-Driven Transparency in a Consumer Marketplace

Committee: Wedad J. Elmaghraby (chair), Ken Moon, Ozge Sahin, Ashish Kabra, Ginger Zhe Jin

Queens College, City University of New York

B.S., Physics, 2019

B.A., Mathematics, 2019

Queensborough Community College, City University of New York

A.S., Mathematics and Sciences, 2016

New York University School of Law

Master of Laws (LL.M), 2013

China University of Political Science and Law

Bachelor of Law, 2008

Research Projects

1. **An Empirical Study of Blockchain-Driven Transparency in a Consumer Marketplace**

Reject and Resubmit at *Management Science*

Jane Jiang, Ken Moon, Wedad Elmaghraby

- * **Finalist, 2023 TIMES Best Working Paper Competition**
- * **Selected for presentation at Wharton Empirical OM Workshop 2023**
- *Topics: Platform design, information design, technological innovation, transparency and trust*
- *Methods: Empirical analysis, structural estimation, Bayesian learning, machine learning*

2. **Impact of Price Strategy on Returns: A Price Transparency and Valuation Uncertainty Story**

In preparation for submission

Jane Jiang, Ozge Sahin, Wedad Elmaghraby

- *Topics: Pricing mechanisms, platform design, bounded rationality, corporate social responsibility*
- *Methods: Empirical analysis, structural estimation, machine learning, simulation*

3. **From Complexity to Clarity: Leveraging Explainable NLP to Enhance Contract Transparency**

Jane Jiang, Jiannan Xu, Wedad Elmaghraby

- *Topics: Human & AI interaction, bounded rationality, corporate social responsibility*
- *Methods: Natural language processing, experiments, empirical analysis*

4. **The Side Effects of Quality Signaling**

Jane Jiang, Farzad Fathi

5. **Formation and Effect of Taobao Villages**

Jane Jiang, Qiyao Zhou, Ken Moon, Wedad Elmaghraby

Talks

- INFORMS Annual Meeting, Seattle WA, Oct. 2024
- INFORMS RMP Section Conference, Los Angeles CA, Jul. 2024
- POMS Annual Meeting, Minneapolis MN, Apr. 2024
- DSI Annual Conference, Atlanta GA, USA, Nov. 2023
- INFORMS Annual Meeting, Phoenix AZ, USA, Oct 2023
- Wharton Empirical OM Workshop, Philadelphia PA, USA, Oct 2023
- The Eighth Marketplace Innovation Workshop, Virtual, May 2023
- POMS Annual Meeting, Orlando FL, USA, May 2023
- INFORMS Annual Meeting, Indianapolis IN, USA, Oct 2022

Teaching Experience

1. **Instructor**, Fisher College of Business, The Ohio State University
Introduction to Operations Management (undergraduate core, 3 credits), Autumn 2024
2. **Instructor**, Robert H. Smith School of Business, University of Maryland, College Park
Business Statistics (undergraduate core, 3 credits), Summer 2023.
3. **Instructor**, Robert H. Smith School of Business, University of Maryland, College Park
Business Statistics (undergraduate core, 3 credits), Summer 2022.
4. **Instructor**, Queensborough Community College, City University of New York
QCC-STEP program, high school math, physics, and chemistry for students from the underrepresented groups, 2015~2019.

Honors and Awards

- Allan N. Nash Outstanding Doctoral Student Award, UMD, 2024
- Robert H. Smith School Ph.D. Fellowship, UMD, 2019-2023
- The Paul Klapper Scholarship, QC, 2019
- The Eva and Jacob Paulson Memorial Award for Excellence in Mathematics, QC, 2019
- Physics Department Paul Klapper Price, QC, 2019
- CUNY Research Scholar (CRSP), 2014~2016
- Presidential Award, CUNY, 2016

Academic Services

- **Session chair**, Technology and innovation in procurement, POMS 2024
- **Reviewer**, Academy of Management (AOM) Annual Meeting, 2023
- **Founder and Vice President**, INFORMS University of Maryland Student Chapter
- **Founder and Co-Chair**, OM PhD Student Brown Bag Series
University of Maryland, College Park, 2022~present
- **Social Chair**, Association of Doctoral Students
University of Maryland, College Park, 2020~2022
- **Representative**, Graduate Student Government
University of Maryland, College Park, 2020~2021

Skills

Analytics: Stata, R

Programming: Python, Java, C++, LaTeX

Database: SQL

Language: Mandarin (native), English (fluent)