Jiannan Xu

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EDUCATION

University of Maryland   College Park, MD
Ph.D. in Operations Management   *Sep. 2021 - 2026 (Expected)*
Minor in Computer Science, Economics

University of Michigan   Ann Arbor, MI
M.S. in Applied Statistics   *Sep. 2019 - Dec. 2020*

Xiamen University   Xiamen, China
B.Mgmt. in Financial Management   *Sep. 2015 - July. 2019*
B.S. in Mathematical Statistics   *Sep. 2015 - July. 2019*

RESEARCH INTERESTS

Substantive: Marketplace Analytics, Service Operations, Revenue Management

Methodological: Natural Language Processing, Machine Learning, Reinforcement Learning, Econometrics

RESEARCH AND WORKING PROJECTS

Assortment Personalization in a Clothing Rental Subscription Model
Joint work with Gah-Yi Ban, Wedad J. Elmaghraby, and L. Beril Toktay

Understanding Matching Quality on Freelance Platforms Through Conversational Analytics
Joint work with Ashish S. Kabra and Kunpeng Zhang

- Presented at 1st Smith DOIT Doctoral Consortium, 2023.
- Scheduled to present at POMS Conference Florida Orlando, 2023.

Hide and Seek at the German Federal Constitutional Court: Identifying the Justice Referee with Author Topic Model

Joint work with Tin Trung Nguyen, Jordan Lee Boyd-Graber, Christoph Engel

- Under review at ACL ARR.

Investigating Customer Retention in Subscriptions via Multi-state Survival Model

- Presented at YinzOR 2022.

AWARDS AND HONORS

- Dean's Fellowship, University of Maryland, 2021
- First Class Double Degree Student Scholarship (Top 1%), Xiamen University, 2019
- Dean's list, Xiamen University, 2017 - 2019
- First Prize in Public Economics and Policy Research Paper Contest, Xiamen University, 2018
- Scholarship of Academic Excellence, Xiamen University, 2016 - 2019
- National Scholarship (Top 0.2%), Xiamen University, 2016

PROFESSIONAL SERVICES

University of Maryland
- Graduate Student Government Representative, Fall 2022-Present

Virtual Operations Management Research Lunch
- Main Organizer, Fall 2020-Present

TEACHING EXPERIENCE

Teaching Assistant
- BUSI 752: Data Mining & Predictive Analytics, Core MBA course, Summer 2022

SELECTED GRADUATE COURSEWORK

Computer Science	**Instructor**
Natural Language Processing	Jordan Boyd-Graber
Explainable Natural Language Processing	Marine Carpuat
Human-AI Interaction	Hal Daume
Fantastic Machine Learning Paradigms and Where to use Them	Tianyi Zhou
Algorithms in Machine Learning: Guarantees and Analyses	Furong Huang
Machine Learning	Honglak Lee

Economics	
Microeconomic Theory I	Emel Filiz-Ozbay, Lawrence M. Ausubel
Microeconomic Theory II	Erkut Y. Ozbay, Daniel R. Vincent
Empirical Industrial Organization	Ginger Zhe Jin
Computational Economics	Andrew Sweeting
Information Economics	Yan Chen

Econometrics and Statistics	
Econometrics I	Guido M. Kuersteiner
Econometrics II	John C. Chao, Ingmar R. Prucha
Linear Models	Kerby Shedden
Statistical Theory	Ya'acov Ritov
Statistical Computing	Jian Kang
Bayesian Modeling	Yang Chen
Statistical Inference	Kean Ming Tan
Applied Multivariate Analysis	Ji Zhu

Optimization and Stochastic Models	
Linear Programming	S. Raghu Raghava
Convex Optimization	Sennur Ulukus
Probabilistic Models	Ilya O. Ryzhov

Topics in Operations Management	
Operations Management Seminar	Wedad J. Elmaghraby
Economics of Operations Management: Theory and Empirical Analysis	Tunay I. Tunca
Machine Learning for Casual Inference & Decision Support	Gah-Yi Ban, Ashish Kabra

SKILLS AND OTHER ACTIVITIES

Languages: Mandarin (Native), English (Fluent), French (Beginner)
Coding Skills: Advanced in R, Python, SAS, and SQL; Intermediate in Matlab, Stata, Pytorch, Stan, and C++
Other Activities: Orienteering, jogging, swimming, and drawing