

# Jiannan Xu

Robert H. Smith School of Business • 7621 Mowatt Ln • College Park, MD 20742  
+1-(734)680-3006 • jiannan@umd.edu • jiannan-xu.github.io

## EDUCATION

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### University of Maryland

*Ph.D. in Operations Management*  
*Minor in Computer Science, Economics*

College Park, MD  
*Sep. 2021 - 2026 (Expected)*

### University of Michigan

*M.S. in Applied Statistics*

Ann Arbor, MI  
*Sep. 2019 - Dec. 2020*

### Xiamen University

*B.Mgmt. in Financial Management*  
*B.S. in Mathematical Statistics*

Xiamen, China  
*Sep. 2015 - July. 2019*  
*Sep. 2015 - July. 2019*

## RESEARCH INTERESTS

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Substantive: Marketplace Analytics, Service Operations, Revenue Management

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

## RESEARCH AND WORKING PROJECTS

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### 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.

### Investigating Customer Retention in Subscriptions via Multi-state Survival Model

- Presented at YinzOR 2022.

## AWARDS AND HONORS

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- 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

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### University of Maryland

- Graduate Student Government Representative, Fall 2022-Present

### Virtual Operations Management Research Lunch

- Main Organizer, Fall 2020-Present

## TEACHING EXPERIENCE

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### Teaching Assistant

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

## SELECTED GRADUATE COURSEWORK

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### Computer Science

Natural Language Processing

Explainable Natural Language Processing

Human-AI Interaction

Fantastic Machine Learning Paradigms and Where to use Them

Algorithms in Machine Learning: Guarantees and Analyses

Machine Learning

### Instructor

Jordan Boyd-Graber

Marine Carpuat

Hal Daume

Tianyi Zhou

Furong Huang

Honglak Lee

### Economics

Microeconomic Theory I

Microeconomic Theory II

Empirical Industrial Organization

Computational Economics

Information Economics

Emel Filiz-Ozbay, Lawrence M. Ausubel

Erkut Y. Ozbay, Daniel R. Vincent

Ginger Zhe Jin

Andrew Sweeting

Yan Chen

### Econometrics and Statistics

Econometrics I

Econometrics II

Linear Models

Statistical Theory

Statistical Computing

Bayesian Modeling

Statistical Inference

Applied Multivariate Analysis

Guido M. Kuersteiner

John C. Chao, Ingmar R. Prucha

Kerby Shedden

Ya'acov Ritov

Jian Kang

Yang Chen

Kean Ming Tan

Ji Zhu

### Optimization and Stochastic Models

Linear Programming

Convex Optimization

Probabilistic Models

S. Raghu Raghava

Sennur Ulukus

Ilya O. Ryzhov

### Topics in Operations Management

Operations Management Seminar

Economics of Operations Management: Theory and Empirical Analysis

Machine Learning for Casual Inference & Decision Support

Wedad J. Elmaghraby

Tunay I. Tunca

Gah-Yi Ban, Ashish Kabra

## SKILLS AND OTHER ACTIVITIES

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**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