

# Kan Xu

**Email:** kanxu526@gmail.com

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## Employment

**W. P. Carey School of Business, Arizona State University**  
Assistant Professor of Information Systems

Tempe, AZ  
2023-

## Education

**University of Pennsylvania**  
Ph.D. in Economics

Philadelphia, PA  
2018-2024

**University of Chicago**  
M.S. in Statistics

Chicago, IL  
2015-2017

**Tsinghua University**  
B.A. in Economics  
B.S. in Mathematics

Beijing, China  
2013-2015  
2011-2015

## Refereed Conference Publications

**Stochastic Bandits with ReLU Neural Networks**

(with Hamsa Bastani, Surbhi Goel, Osbert Bastani)

**International Conference on Machine Learning (ICML), 2024**

**Uniformly Conservative Exploration in Reinforcement Learning**

(with Wanqiao Xu, Jason Yecheng Ma, Hamsa Bastani and Osbert Bastani)

**International Conference on Artificial Intelligence and Statistics (AISTATS), 2023**

**Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings**

(with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani)

**International Conference on Machine Learning (ICML), 2021**

## Working Papers

**Multitask Learning and Bandits via Robust Statistics**

(with Hamsa Bastani)

Minor Revision, **Management Science**

- 3rd Place, IBM Service Science Best Student Paper Award (2022)

**Group-Sparse Matrix Factorization for Transfer Learning of Word Embeddings**

(with Xuanyi Zhao, Hamsa Bastani and Osbert Bastani)

Major Revision, **Management Science**

- Preliminary version in **ICML**, 2021

**Two-Stage Maximum Score Estimator**

(with Wayne Gao, Sheng Xu)

## Work in Progress

**Match Made with Matrix Completion: Efficient Offline and Online Learning in Matching Markets**

(with Zhiyuan Tang, Wanning Chen)

**The Unintended Costs of Quota-Based Subscription Plans in Online Health Communities**

(with Jie Chen, Tongxin Zhou)

## Awards and Honors

3rd Place, IBM Service Science Best Student Paper Award	2022
Xingmei Zhang & Yongge Dai Fellowship	2020-2021, 2022-2023

## Invited Talks

**2023** CUHK Business School DSME; UTD Jindal OM; ASU Carey IS; Fudan School of Management IS; Chinese Academy of Sciences IGSNRR; ASU Carey Econ; Rotman Young Scholar Seminar;

**2022** UC Davis GSM; Cornell Johnson OTIM; JHU Carey OM;

## Teaching Experience

<b>W. P. Carey School of Business, Arizona State University</b> Instructor, CIS 325 Programming for Business Analytics (Undergrad)	Spring 2024
<b>The Wharton School, University of Pennsylvania</b> Teaching Assistant, OIDD 612 Business Analytics (MBA)	Fall 2021
<b>University of Pennsylvania</b> Teaching Assistant, ECON 705 Econometrics I (PhD)	Fall 2020

## Service

Reviewer for Management Science, Operations Research, AISTATS, JMLR, Information Systems Research, M&SOM, INFORMS Journal on Computing, NeurIPS, JASA

## Professional Experience

<b>Moelis &amp; Company</b> Data Science Intern	New York, NY Summer 2020
<b>University of Chicago, Department of Economics</b> Research Specialist	Chicago, IL 2017-2018