

# Kan Xu

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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

## 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

**Safely Bridging Offline and Online Reinforcement Learning**

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

- Preliminary version in **AISTATS**, 2023

**Two-Stage Maximum Score Estimator**

(with Wayne Gao, Sheng Xu)

## Others

**Stochastic Bandits with ReLU Neural Networks**

(with Hamsa Bastani, Surbhi Goel, Osbert Bastani)

**Robust Generalization of Quadratic Neural Networks via Function Identification**

(with Hamsa Bastani, Osbert Bastani)

## Refereed Conference Publications

**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**

## Awards and Honors

3rd Place, IBM Service Science Best Student Paper Award

2022

**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;

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

**Teaching Experience**

**W. P. Carey School of Business, Arizona State University**

Instructor, CIS 325 Programming for Business Analytics (Undergrad)

Spring 2024

**The Wharton School, University of Pennsylvania**

Teaching Assistant, OIDD 612 Business Analytics (MBA)

Fall 2021

**University of Pennsylvania**

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

**Professional Experience**

**Moelis & Company**

Data Science Intern

New York, NY

Summer 2020

**University of Chicago, Department of Economics**

Research Specialist

Chicago, IL

2017-2018