# Yinbin Han

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EDUCATION	New York University Ph.D. Student, Finance and Risk Engineering Advisor: Renyuan Xu	Aug 2024 – Present
	University of Southern California Ph.D. Student, Industrial and Systems Engineering	Aug 2021 – 2024
	Chinese University of Hong Kong, Shenzhen B.S. Mathematics	Sep 2017 – Jun 2021
	University of California, Berkeley Exchange Student	Jan 2020 – May 2020
INDUSTRIAL EXPERIENCE	Meta Research Scientist Intern	May 2024 – Aug 2024
RESEARCH INTERESTS	<ul> <li>Applied Probability and Stochastic Modeling</li> <li>Nonconvex Optimization and Stochastic Optimization</li> <li>Data-driven Decision Making and Reinforcement Learning</li> <li>Stochastic Control and Mathematical Finance</li> <li>Diffusion Models and Schrödinger Bridge</li> </ul>	ng
JOURNAL PUBLICATIONS	1. Y. Han and Z. Wang. "Optimal Switching Policy for Batch Servers." Operations Research Letters, 2023.	
CONFERENCE PUBLICATIONS	1. 1. Hall, in Hazari, and it ital include based score ostillation in	
WORKING PAPERS	1. 1. Hall, W. Hazaviyayii, and H. Mu. 1 oney dradein converges to the diobally	
INVITED TALKS	• International Conference on Learning Representations, V	Vienna May 2024
	• INFORMS Optimization Society Conference, Houston	Mar 2024
	• NeurIPS 2023 Workshop on Diffusion Models, New Orle	
	• INFORMS Annual Meeting, Phoenix	Oct 2023
	• NeurIPS 2022 Workshop OPT2022, New Orleans	Dec 2022
	• INFORMS Annual Meeting, Indianapolis	Nov 2022

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#### **ORGANIZERS**

- Co-organizer of the NYC Brown Bag Reading Group on Foundations of Generative AI Sep 2024
- Session co-chair at INFORMS Optimization Society Conference Mar 2024

#### REVIEWERS

- Journals: European Journal of Operational Research.
- Conferences: International Conference on Learning Representations (ICLR), International Conference on Machine Learning (ICML), Neural Information Processing Systems (NeurIPS), International Conference on Artificial Intelligence and Statistics (AISTATS), Conference on Uncertainty in Artificial Intelligence (UAI).

### PROFESSIONAL MEMBERSHIP

- Institute for Operations Research and the Management Sciences (INFORMS)
- Applied Probability Society (APS)

### TEACHING EXPERIENCE

### NYU, Teaching Assistant

 FRE-GY 9073: Stochastic Systems and Modern Machine Learning Theory Fall 2024

### USC, Teaching Assistant

• ISE 530: Optimization Methods for Analytics Fall 2023, Spring 2024

### CUHKSZ, Undergraduate Student Teaching Fellow

MAT2002: Ordinary Differential Equations
 BIO2001: General Biology
 Summer 2019

## AWARDS & HONORS

• National Scholarship of China

- 2020
- Academic Performance Scholarship, CUHKSZ
   Dean's List, CUHKSZ
   2018, 2019, 2020
   Dean's List, CUHKSZ

# TECHNICAL SKILLS

## **Programming Languages:**

- Proficient in Python, Numpy, Pandas, PyTorch, R, and MATLAB
- Familiar with Java, C/C++, MySQL
- Experience with Hadoop, Spark, and CUDA