

HAOSHENG ZHOU

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EDUCATION

University of California, Santa Barbara (UCSB), PSTAT Department

PhD in Applied Probability and Mathematical Statistics;

Present

New York University (NYU), CIMS (Courant Institute)

Master in Mathematics;

Sep 2020 – May 2022

Peking University (PKU), EECS Department

Bachelor in Data Science and Big Data Technology (IT Finance);

Sep 2016 – Jul 2020

PUBLICATIONS AND PREPRINTS

- [3] R. Hu, J. Long, H. Zhou, Finite-Agent Stochastic Differential Games on Large Graphs: I. The Linear-Quadratic Case
- [2] H. Zhou, W. Lin, S.R. Labra, S.A. Lipton, J.A. Elman, N.J. Schork, A.V. Rangan, Detecting Boolean Asymmetric Relationships with a Loop Counting Technique and its Implications for Analyzing Heterogeneity within Gene Expression Datasets.
- [1] H. Zhou, J. Tu, Y. Kong, Approximation Algorithms and PTAS of the Minimum Dominating Set and the 3-Path Vertex Cover Problem on Unit Disk Graph.

ACADEMIC ACTIVITIES

Oct 2024: Research talk at INFORMS Annual Meeting 2024

Jul 2024: Optimal transport through midwest summer school, Madison, Wisconsin

Jan 2024 - Jun 2024: Organizer of UCSB student reinforcement learning seminar

Feb 2024: IMSI decision making and uncertainty workshop

Nov 2023: Research talk on UCSB CFMAR Seminar

May 2022 - Jun 2022: PIMS-CRM summer school in probability, UBC, Vancouver, Canada

May 2019 - Dec 2019: NYU Shanghai DURF project in percolation theory, [a website for particle system simulations](#)

MEMBERSHIP AND SERVICE

Referee for Peer-Reviewed Journals: *Digital Finance*

HONORS AND AWARDS

2023: UCSB Abraham Wald Memorial Prize

2022: UCSB Amazon Fellowship

2021: NYU GSAS Students for the Pathways to the PhD Program

2018 & 2019: PKU Academic Excellence Award

2018: PKU Scholarship for Outstanding Undergraduates

TEACHING EXPERIENCES

TA experience in UCSB: PSTAT 213ABC (Year 2023), PSTAT 160A, PSTAT 120AB, PSTAT 170, etc.

TA experience in NYU: MATH-UA 009 (Winter 2022)

VOLUNTEER

Oct 2015 - Nov 2015: Volunteer Teacher, Hong Village, Anhui Province, China