

HAOSHENG ZHOU

(332)-248-7535 | hzhou593@ucsb.edu | [Personal Website](#) | [LinkedIn Profile](#)

EDUCATION

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

PhD in Applied Probability and Mathematical Statistics; GPA: 4.0/4.0

Present

New York University (NYU), CIMS

Master in Mathematics; GPA: 3.86/4.0

Sep 2020 – May 2022

Peking University (PKU), EECS

Bachelor in Data Science and Big Data Technology (IT Finance); GPA: 3.57/4.0

Sep 2016 – Jul 2020

THESIS AND PUBLICATIONS

Detecting Boolean Asymmetric Relationships with a Loop Counting Technique and its Implications for Analyzing Heterogeneity within Gene Expression Datasets

Advisor: Aaditya Rangan

Approximation Algorithms and PTAS of the Minimum Dominating Set and the 3-Path Vertex Cover Problem on Unit Disk Graph

Advisor: Jianhua Tu

ACADEMIC ACTIVITIES

Nov 2023: A short 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](#)

TEACHING EXPERIENCES

Sep 2023 - Dec 2023: TA of Graduate Level Probability Theory and Stochastic Process (PSTAT 213A), UCSB

Aug 2023 - Sep 2023: TA of Introduction to Probability Theory and Stochastic Process (PSTAT 160A), UCSB

Mar 2023 - May 2023: TA of Probability and Statistics (PSTAT 120A), UCSB

Jan 2023 - Mar 2023: TA of Probability and Statistics (PSTAT 120B), UCSB

Jan 2023 - Mar 2023: TA of Trans to Data Science, Probability and Statistics (PSTAT 8), UCSB

Sep 2022 - Dec 2022: TA of Intro to Math Finance (PSTAT 170), UCSB

Jan 2022 - May 2022: TA of Algebra and Calculus (MATH-UA 009), NYU

HONORS AND AWARDS

2022: UCSB Amazon Fellowship

2022: Alibaba Global Mathematics Competition, Top 0.5%

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

2018 & 2019: PKU Academic Excellence Award

2018: PKU Scholarship for Outstanding Undergraduates

VOLUNTEER

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