

Haiyu Huang

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Education

University of California, Los Angeles

- Ph.D. in Mathematics, 2019 - present
- M.A. in Mathematics, 2021

University of California, San Diego (Magna Cum Laude)

- B.S. in Computer Engineering, June 2019
- B.S. in Mathematics, June 2019

Current Research Interests

Probability theory, Branching processes

Employment

2019-	Teaching Assistant	Department of Mathematics	UCLA
2017-19	Teaching Assistant	Department of Mathematics	UC San Diego
2016	Tutor	Department of Computer Science and Engineering	UC San Diego

Awards and Honors

2019	Graduate Dean's Scholar Award	UCLA
2019	Department Honors in Mathematics with High Distinction	UC San Diego
2018	Undergraduate Employee of the Year in the Department of Mathematics	UC San Diego
2018	Physical Science Dean's Undergraduate Awards for Excellence in Math	UC San Diego

Research Experience

2021-	Ph.D. research in probability theory	Advisor: Marek Biskup
	Topic: Maximum of hierarchical Discrete Gaussian model	
2017	CURE (collaborative undergraduate research experience)	Advisor: Todd Kemp
	Topic: Limiting spectral distribution of random matrices with independent diagonals	

Teaching

UCLA (as teaching assistant)

- Winter 2023, Math 131AH (Analysis Honors I)
- Fall 2022, Math 275A (Graduate-level probability theory I)

- Spring 2022, Math 131BH (Analysis Honors II)
- Winter 2022, Math 131AH (Analysis Honors I)
- Fall 2021, Math 131AH (Analysis Honors I)
- Spring 2021, Math 131BH (Analysis Honors II) and Math 171 (Stochastic Processes)
- Winter 2021, Math 115A (Linear Algebra) and Math 132 (Complex Analysis)
- Fall 2020, Math 131AH (Analysis Honors I)
- Summer 2020, Math 170E (Introduction to Probability and Statistics: Probability)
- Spring 2020, Math 135 (Ordinary Differential Equations)
- Winter 2020, Math 32A (Calculus of Several Variables)
- Fall 2019, Math 131A (Analysis I)

UC San Diego (as teaching assistant)

- Winter 2019, Math 140B (Analysis Honors II)
- Fall 2018, Math 140A (Analysis Honors I)
- Spring 2018, Math 103B (Modern Algebra II)
- Winter 2018, Math 109 (Mathematical Reasoning)
- Fall 2017, Math 109 (Mathematical Reasoning)
- Spring 2017, Math 20C (Calculus and Analytic Geometry for Science and Engineering)
- Winter 2017, Math 20B (Calculus for Science and Engineering)

Technical Skills

Programming Languages: Python, C++, C, Java, MATLAB, Latex.