Kaihao Jing

Ph.D. Student, Statistics University of California, Berkeley
khjing@berkeley.edu

Education

University of California, Berkeley *Sept 2023 - Present*
Ph.D. Student in Statistics
Advisor: Shirshendu Ganguly
GPA: 4.0 / 4.0

University of Science and Technology of China (School of the Gifted Young) *Sept 2019 - Jun 2023*
B.S. in Mathematics and Applied Mathematics (honor)
Advisors: Xinyi Li and Dangzheng Liu
GPA: 4.05 / 4.3

Research Interests

Probability theory and its intersection with statistical physics, including percolation, spin systems, and random geometry.

Research

- **Critical level set percolation for the GFF in $d > 6$: comparison principles and some consequences** (arXiv: 2412.17768). *Jointly with Shirshendu Ganguly*
- **Directed fractal percolation and non-Lipschitz variants** (arXiv: 2610.12366). *Jointly with Shirshendu Ganguly and Victor Ginsburg*

Experiences

- Quantitative Research Internship at Five Rings LLC *June 2026 - August 2026*
- Quantitative Research Internship at JQ Investments, Shanghai *August 2026 - Sept 2026*

Awards and Honors

- Citadel Securities Berkeley PhD Fellowship, UC Berkeley *2026-2027*
- Outstanding Undergraduate Thesis, USTC *2023*
- Outstanding Undergraduate Award, USTC *2023*
- Guo Moruo Scholarship (the highest undergraduate honors at USTC), USTC *2022*
- National Scholarship (The highest national-level undergraduate award in China), USTC *2021-2023*
- Team Bronze Medal, 13th S.T. Yau College Student Mathematics Contest *2022*

Teaching Experience

- Graduate Student Instructor, STAT 204 (Probability and Applications), UC Berkeley *Spring 2026*
- Graduate Student Instructor, STAT 210B (Theoretical Statistics), UC Berkeley *Spring 2025*
- Graduate Student Instructor, STAT 134 (Concepts of Probability), UC Berkeley *Fall 2024, Spring 2025*
- Teaching Assistant, Probability Theory, USTC *Spring 2022*