

Jieyang Hu

Mathematics Major, SGY, USTC
No.96 Jinzhai Road, Hefei, Anhui, China 230026

jieyanghu@mail.ustc.edu.cn
Phone Number& WeChat: 18395824516

Education

- **University of Science and Technology of China (USTC)** Hefei, China
Bachelor of Science in Mathematics 2023 - Present
 - GPA: 4.11/4.3 (94.05/100)
 - Rank: 1/64
 - Major GPA: 4.27/4.3
 - **Selected Advanced Coursework:**
 - * *Graduate Level:* Stochastic Processes (A+), Higher Probability Theory (A+)
 - * *Undergraduate Level:* Probability (A+), Mathematical Statistics (A+), Regression Analysis (A), Functional Analysis (A+), Differential Geometry (A+)

Academic Projects & Selected Research Seminars

- **Co-organizer, Joint Seminar on Statistical Mechanics** USTC & Peking University
Academic Seminar 2025
 - Coordinated weekly sessions focusing on the rigorous mathematical treatment of the **Curie-Weiss model** and the **Ising model**.
 - Facilitated discussions on spontaneous magnetization, phase transitions, and the thermodynamic limit, bridging concepts between statistical physics and probability theory.
- **Joint Seminar on Brownian Motion** USTC & Peking University
Invited Speaker / Participant 2025
 - Delivered a featured presentation on **"The Martingale Property of Brownian Motion,"** rigorously proving Wald's Lemmas and the Optional Stopping Theorem for continuous-time martingales.
- **Undergraduate Teaching Assistant** USTC
Probability Theory (For Math Majors) Spring 2026
- **Undergraduate Teaching Assistant** USTC
Mathematical Analysis B1 Fall 2025
- Team Leader, *Hanhai Zhidian* Column Team, USTC (2025 - Present)
 - Responsible for editing and reviewing mathematical problem sets and solutions.
 - Authored mathematical articles for the undergraduate.
 - Organized school-wide mathematics lectures, overseeing content selection and event logistics.
- Vice Minister, Editorial Department, School of Mathematical Sciences, USTC (2024 - 2025)
 - In charge of the publication of the departmental journal *Waming*.
 - Managed the entire process including content selection, design, and final publication.
 - Coordinated with team members to ensure timely and high-quality publication.

Skills

- Programming Languages: R, C, Python (PyTorch in progress)
- Typesetting: \LaTeX
- Languages: English , Mandarin Chinese (Native)

Selected Awards and Honors

- National Scholarship, Ministry of Education of China (2025)
- Student Outstanding Scholarship (Silver Award), USTC (2024)
- New Student Scholarship Gold Award, USTC (2023)
- National High School Mathematics Joint Competition (Zhejiang Division), First Prize (2021)
- National High School Physics Competition (Zhejiang Division), Second Prize (2021)