Xu Zhuang

Graduate Student

Irvine, CA 92617

Personal Website: https://zxmath.github.io/

xzhuang8@uci.edu

(+1)9492797612

Linkedin

EDUCATION

- **University of California, Irvine**
  Ph.D., in Mathematics — *September 2022-present*

- **Jilin University**
  B.S, in Mathematics — *August 2018-June 2022*

RESEARCH INTERESTS

- Coding theory and Arithmetic geometry

- Arithmetic Statistics

- Analytic number theory

Certificates

- Coursera: Machine Learning Specialization
  https://www.coursera.org/account/accomplishments/specialization/MJVU0CEJSJH8

MENTORING

- Directed Reading Project(2023 Winter): Probabilistic methods in Combinatorics(Xingjian Wang)

- Directed Reading Project(2024 Fall): Random Matrics(Collin Cheung)

SKILLS

- Python

- LaTeX

- SageMath

HONORS AND AWARDS

- Tang Aoqing Honors Program in Basic Science(2018-2022)

- First Prize-National High School Mathematics League(2016)

TEACHING

- 2023 Winter: Grader for Linear Algebra II(MATH 121B),Introduction to Probability I(MATH 131A)

- 2023 Spring : Grader for Introduction to Abstract Math(MATH 13), Linear Algebra I(MATH 121A),Introduction to Probability I(MATH 131A)

- 2024 Fall and 2024 Winter: MATH 2B

- 2024 Spring: MATH 2D

- 2024 Fall: Real analysis(Grad)

PREPRINTS

1 The Jacobian of a Sixth-Root-of-Unity Matroid (With Matthew Baker and Changxin Ding). Submitted for publication. https://arxiv.org/abs/2308.11760