

Jason Zhao

CONTACT INFORMATION

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EDUCATION

University of California, Berkeley AUGUST 2021 - PRESENT
Ph.D. in Mathematics (expected June 2026)

University of California, Los Angeles SEPTEMBER 2017 - JUNE 2021
Departmental Scholar (M.A., B.S.) in Mathematics

Richard Montgomery High School, Rockville, Maryland AUGUST 2013 - JUNE 2017
International Baccalaureate (IB) Diploma

WORK AND RESEARCH EXPERIENCE

Williams College, Williamstown, MA JUNE 2020 - SEPTMEBER 2020
Mathematics Researcher

Theravance Biopharma, South San Francisco, CA JUNE 2018 - SEPTEMBER 2018
SAS Programmer

RESEARCH INTERESTS

Harmonic analysis, descriptive set theory, Hodge theory, differential geometry, partial differential equations, geometric measure theory.

PREPRINTS AND PUBLICATIONS

Elzbieta Boldyriew, Elena Kim, Steven J. Miller, Eyvindur Palsson, Sean Sovine, Fernando Trejos Suárez, Jason Zhao, *Tinkering with lattices: a new take on the Erdos distance problem*, arXiv preprint, 2020

Elzbieta Boldyriew, Fangu Chen, Charles Devlin VI, Steven J. Miller, Jason Zhao, *Determining optimal test functions for 2-level densities*, arXiv preprint, 2020.

TALKS

Québec-Maine Number Theory Conference, Université Laval SEPTEMBER 2020
Determining optimal test functions for 2-level densities

Young Mathematician's Conference, The Ohio State University AUGUST 2020
Tinkering with lattices: A new take on the Erdos distance problem

COMPUTER SKILLS

Programming languages: \LaTeX , PYTHON, C++
Software: SAS, Adobe Photoshop, Wolfram Mathematica