

Jason Zhao

CONTACT INFORMATION	Department of Mathematics University of California, Berkeley Berkeley, CA, USA 94720-3840	1065 Evans Hall zhao.j@berkeley.edu http://math.berkeley.edu/~jzhao/
EDUCATION	University of California, Berkeley Ph.D. in Mathematics Advisor: Sung-Jin Oh	<i>Aug. 2021 – Present</i>
	University of California, Los Angeles B.S., M.A. in Mathematics	<i>Sep. 2017 – Jun. 2021</i>
RESEARCH INTERESTS	Geometric dispersive equations, harmonic analysis, mathematical physics.	
PUBLICATIONS	Preprints <i>The Cauchy problem for Manton's Chern-Simons-Schrödinger equation</i> , arXiv:2609.13096 <i>Convergence of the self-dual abelian Higgs gradient flow</i> , arXiv:2603.24900 <i>Local well-posedness for dispersive equations with bounded data</i> , arXiv:2409.04706 Journal articles <i>Determining optimal test functions for 2-level densities</i> , with Elzbieta Boldyriew, Fangu Chen, Charles Devlin VI, Steven J. Miller, Research in Number Theory , Vol. 9 (2023). arXiv:2011.10140	
INVITED TALKS	<i>Caltech-UCLA Joint Analysis and PDE Seminar</i> , UCLA <i>Analysis and PDE Seminar</i> , UC Berkeley <i>Analysis and PDE Seminar</i> , Peking University <i>Harmonic Analysis and Differential Equations Seminar</i> , UC Berkeley	<i>November 2026</i> <i>October 2026</i> <i>May 2026</i> <i>May 2023</i>
ACADEMIC SERVICE	Referee for academic journals <i>Proceedings to the London Mathematical Society</i> Organizer for seminars Harmonic Analysis and Differential Equations Seminar (HADES) Math 290: Non-linear wave equations at critical regularity	
		<i>Fall 2024 - Present</i> <i>Fall 2023</i>
AWARDS/HONOURS	<i>Outstanding GSI Award</i> , UC Berkeley	<i>2025</i>
TEACHING	University of California, Berkeley Instructor • Math 53 (Calculus III), <i>Summer '22</i> Teaching assistant • Math 1B (Calculus II), <i>Spring '22</i> • Math 53 (Calculus III), <i>Fall '21, Fall '22, Spring '23, Fall '23, Fall '24, Spring '25, Spring '26, Fall '26</i> University of California, Los Angeles Reader • Math 131AH (Honors Analysis), <i>Winter '21</i>	