5734 S.	University Avenue, Chicago, IL +1-267-530-9898 zhongz	z@uchicago.edu	
EDUCATION	The University of Chicago , Chicago, IL Second year PhD Student	Sep 2023 - present	
	 University of Pennsylvania, Philadelphia, PA Bachelor of Arts and Master of Arts in Mathematics Phi Beta Kappa, Summa Cum Laude Thesis Advisor: Mona Merling and Thomas Brazelte Thesis Title: "Milnor Numbers of Complex Hypersu 		
	Smith College, Northampton, MA	Sep 2019 - May 2020	
INTERESTS	Topology and Geometry		
RESEARCH EXPERIENCE	 REU participant, University of Chicago June 2022 - Aug 2022 Worked on Quillen's proof of the Adams Conjecture and how it relates to the K-theory of finite fields, joint with Matthew Niemiro, advised by Peter May. 		
	• Paper: http://math.uchicago.edu/ may/REU2022/REUPapers/Niemiro.pdf		
DIRECTED READINGS	 Participant, Riemann Surfaces Learned about Riemann surfaces from complex anal bolic perspectives, supervised by Eduard Looijenga. 	Mar 2024 - present ytic, algebraic, and hyper-	
	 Participant, Intersection theory Jan 2024 - Mar 2024 Read 3264 & All That Intersection Theory in Algebraic Geometry, supervised by Akhil Matthew. 		
	 Participant, Hodge Theory Read about real and complex hodge theory, with an entropy to Kahler manifolds like smooth projective varieties, statements 	Oct 2023 - Dec 2023 lex hodge theory, with an emphasis on its applications nooth projective varieties, supervised by Benson Farb.	
	Participant, Linear Algebraic GroupsRead about linear algebraic groups, supervised by Jack	May 2023 - August 2023 ulia Hartmann.	
	 Participant, Vertex Operator Algebra Sep 2022 - Dec 2022 Read about vertex operator algebras and its connections with moduli space of curves, supervised by Angela Gibney. 		
	 Mentee, Penn Directed Reading Program Milnor numbers and their generalizations, mentored Algebraic geometry from an A¹-viewpoint, mentored Enumerative Geometry and String Theory, mentored Enumerative Geometry, mentored by Thomas Braze 	l by Thomas Brazelton d by Thomas Brazelton	

TALKS	eCHT Seminar on Algebraic Vector Bundles Quillen's solution to Serre's problem	Sep 2023
	Penn Geometry/Topology Grad Seminar \mathbb{A}^1 -Milnor numbers Quillen's work on the Algebraic <i>K</i> -theory of Finite Fields	March 2023 Sep 2022
	Reading Project Presentations Polynomial roots and convex polyhedra Modules over Vertex Operator Algebras Excess Intersection in Enumerative Geometry Enumerative Geometry	Apr 2023 Nov 2022 Apr 2022 Dec 2021
	Class Presentations Mackey Functors, MATH 520 Representation Theory Function Spaces, MATH 500 Topology	May 2022 Dec 2021
TEACHING	TA for Multi-Variable Calculus, University of PennsylvaniaTA for Bio Stats, University of PennsylvaniaJTA for Single-Variable Calculus, University of Pennsylvania	an 2022 - May 2022
SERVICE	Board Member, Penn Undergraduate Math Society S	April 2023 - present 5ep 2022 - May 2023 5ep 2022 - May 2023
AWARDS & FELLOWSHIPS	McCormick Fellowship, The University of Chicago Departmental Good Teaching Award, University of Pennsylva Second Prize, Class of 1880 Prize, University of Pennsylvani	
LANGUAGES	Mandarin (Native), English (Advanced), French (Intermediate)	