## Zhichen Wu

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EDUCATION			
Oct 2023 — Jun 2024	MSc Mathematical Sciences, University of Oxford		
	The rigorous training at Oxford provides me with a solid foundation for future research.		
Sep 2021 — Jul 2023	BSc Mathematics, University of Sheffield She		
	I transferred from Xi'an Jiaotong-Liverpool University (XJTLU) to the University of Sheffield in 2021.		
	First Class Honours		
Sep 2019 — Jul 2021	Applied Mathematics, Xi'an Jiaotong-Liverpool University	Suzhou	
	This program is hosted conjointly by the University of Liverpool (UK) and the Xi'an Jiaotong-Liverpool University (China).		
RESEARCH EXPERIE	NCE		
Jun 2022 — Jul 2023	Classification of arithmetic hyperbolic manifolds	Online	
	The purpose of this project is to classify certain kinds of arithmetic hyperbolic manifolds. During this process, I studied related topics such as quadratic forms, algebraic number theory, and hyperbolic geometry.		
Jun 2022	Summer Undergraduate Research Experience	Sheffield	
	Funded 6-week long Summer Undergraduate Research Internship in Algebraic Topology under the supervision of Prof Sarah Whitehouse		
	This project (the title was 'Loops and Covers') looked at covers of spaces and developed an approach to the Van Kampen's theorem via the theory of covers. I also learned some basic category theory in order to have the language in which to formulate this precisely.		
CONFERENCES AND	WORKSHOPS		
Sep 2023	British Topology Meeting Shef		
	The 36th British Topology Meeting		
Jul 2023	2023 International Summer School of Algebraic Geometry	Shanghai	
	This summer school invited Chenyang Xu and many other international experts in algebraic geometry to give a short course on moduli space theory. The topics included algebraic K-stability, moduli spaces over derived categories, and the P = W conjecture.		
Aug 2022	LMS Undergraduate Summer School 2022	Edinburgh	
	Annual two-week courses held by LMS every Summer at a UK university		
	The aim is to introduce modern mathematics to the best UK undergraduates who will enter their final year the following Autumn, and encourage them to think about an academic career in maths. The LMS Undergraduate Summer School consists of a combination of short lecture courses with problem-solving sessions and colloquium-style talks from leading mathematicians. 50 places are available to students per year.		
Jul 2022	AMS-EMS-SMF 2022	Grenoble	
	The 2nd Joint Congress of Mathematics co-organized by the American Mathematical Society, the European Mathematical Society and the Société Mathématique de France		
Aug 2021	International Conference and Summer School on Applied Topology	Shijiazhuang	
	Summer courses on Simplicial Homology and Homotopy, and Computational Topolo	ogy	
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COMPETITIONS			
Aug 2022	Simon Marais Mathematics Competition		Sheffield
	Member of the University of Sheffield team		
Aug 2022	International Mathematics Competition for University Students		Online
	Certificate		
May 2022	Mathematical Contest in Modeling		Sheffield
	Honourable Mention (approximately 21% of teams)		
GRADUATE-LEVEL Courses	Algebraic Topology	Differential Manifolds	
	Algebraic Geometry	Lie Groups	
	Homological Algebra	Galois Theory	
	Category Theory		
READING SEMINARS			
Nov 2021 — Jun 2023	Algebra and Category Theory		Sheffield
	• Algebra: Chapter 0 by Paolo Aluffi		
	• Galois Theory by Tom Leinster		
	• Basic Category Theory by Tom Leinster		
Jul 2020 — Oct 2021	Topology		Suzhou
	• Basic topology by M. A. Armstrong		
	• Algebraic topology by Allen Hatcher		
SKILLS	Latex		
	Programming in R, Python, and Matlab		
	Mathematical Modelling		
	Machine Learning		
LANGUAGES	Chinese		
	English		
	• With good command		
	• IELTS 7.0 GRE 321		