

Jiewei Xiong

Education

Sep 2025– **Doctor of Philosophy**, *University of Reading*, Reading
On and around the Zilber–Pink conjecture
Supervisor: Christopher Daw

Sep 2024–Sep 2025 **Master of Science, Pure Mathematics**, *Imperial College London*, London, Distinction
Modules: Algebra 3 · Algebra 4 · Algebraic curves · Algebraic geometry · Algebraic number theory · Elliptic curves · Formalising mathematics · Galois theory
Project: *Torsor obstructions to rational points on varieties over global function fields*
Supervisor: Margherita Pagano

Sep 2021–Jun 2024 **Bachelor of Science, Mathematics**, *University of Warwick*, Coventry, First Class Honours
Modules:
1. Analysis I & II · Classical mechanics and special relativity · Differential equations · Foundations · Geometry and motion · Introduction to abstract algebra · Linear algebra · Mathematics by computer · Mind and reality · Probability
2. Algebra I: advanced linear algebra · Algebra II: groups and rings · Analysis III · Geometry · German 1 · Introduction to number theory · Multivariable calculus · Norms, metrics and topologies · Theory of ODEs
3. Algebraic number theory · Commutative algebra · Galois theory · German 2 · Groups and representations · Introduction to group theory · Rings and modules
Essay: *Generalised Fibonacci sequences in real numbers and symmetric groups*
Tutor: Xinyu He

Talks

12 January 2026 **(Mixed) Hodge structures and mixed Shimura varieties**, *Learning workshop on Shimura varieties*, Manchester, expository

Workshops and conferences attended

12–15 January 2026 **Learning workshop on Shimura varieties**, *University of Manchester*, Manchester, organised by Martin Orr

Outreach/teaching

Jun–Aug 2023 **Exploring University Mathematics with Python**, Siri Chongchitnan, proofreader
Published by Springer later that year

Jul 2020 **Undergraduate linear algebra**, *High School Affiliated to Shanghai Jiao Tong University*, lecturer
12 online 2-hour lectures for Year 9 students during the COVID-19 pandemic

Languages

Mandarin native
English CEFR C1
German CEFR A2