CALUM CROSSLEY

PhD Student, LSGNT
University College London
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ACADEMIC INTERESTS

My interests lie within algebraic geometry, particularly derived categories of coherent sheaves and matrix factorizations, relating homological algebra and geometry.

EDUCATION

University College London (2023–Present)

- · MPhil / Ph.D. (Expected End: 2028)
- · Supervisor: Ed Segal

University of Oxford (2019–2023)

- · MMath, Master of Mathematics, *Parts A and B: First Class, Part C: Distinction.*
- · Thesis Title: *Number of solutions to equations over finite fields.*
- · Thesis Supervisor: Alan Lauder

TEACHING EXPERIENCE

University College London

- · Teaching Assistant, *Algebra 1* (Winter 2024).
- · Marker, *Algebra 1* (Winter 2024).
- · Marker, *Proofs and Foundations* (Winter 2024).

TALKS

- · *Cohomology and Derived Categories.* Imperial Junior Geometry Seminar, Oct 2024.

CONFERENCES ATTENDED

- · *Mirrors in the Midlands 2024*, University of Birmingham

ORGANIZATION

Seminars

- · Co-organizer of *KCL/UCL Junior Geometry Seminar*, with Maartje Wisse (2024–2025). https://ucl.ac.uk/junior-geometry.

AWARDS

- · University of Oxford, Jesus College, *Annual Fund Prize* (2023)
- · University of Oxford, Jesus College, *Davies Prize* (2023)