

Zoë Pope

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Research Interests

I am interested in ∞ -category theory and homotopy theory.

Education

University at Albany, SUNY

Master of Arts in Mathematics, supervised by Marco Varisco

*Sept 2024 - May 2026
(expected)*

University at Albany, SUNY

Bachelor of Science, Mathematics major, Physics minor

Sept 2022 - May 2024

- GPA: 3.78/4.0 (Summa Cum Laude)

Talks

BUGCAT 2025, *The Global Orbit Category and Assembly Maps*

Nov 2025

UAlbany Algebra/Topology Seminar, *How to Prove Homological Stability*

Nov 2025

Talbot 2025, *The Randal-Williams-Wahl Machine*

May 2025

UAlbany ATiA Seminar, *Rectifications of Homotopy Interleaving Distances*

Apr 2025

Workshops Attended

Young Homotopy-Theorist Meeting

Oct 2025

European Autumn School in Topology

Sept 2025

Talbot 2025

May 2025

Conferences Attended

Binghamton Combinatorics, Algebra, and Topology Conference (BUGCAT) 2025

Nov 2025

Cornell Topology Festival

May 2025

Atlantic Meeting on Topology, Representation theory, and K-theory

Apr 2025

Upstate New York Topology Seminar

Mar 2025

BUGCAT 2024

Nov 2024

Fall 2024 AMS Eastern Sectional Meeting

Oct 2024

Other Experience

Master's Thesis

Sept 2025 - Present

Exploring the global orbit ∞ -category for discrete groups with applications to equivariant homotopy theory.
Under the advisement of Marco Varisco.

Graduate Assistant

Sept 2024 - Present

Tutoring students and helping to proctor and grade exams as part of the graduate program.

Mathematics Tutor

Aug 2023 - Aug 2024

Tutored university students through UAlbany's Educational Opportunity Program as well as their Collegiate Science and Technology Entry Program. Also tutored k-12 students while working for the tutoring center Mathnasium.

Undergraduate Research Fellow

July 2023 - Aug 2023

Designed a classifier for artificial intelligence training to sort attributed graphs by similarity. Under the advisement of Abram Magner.