

Zoë Pope

📍 Albany, NY, USA ✉ mpope@albany.edu 🌐 zoe-pope.github.io 🗣 Zoe-Pope

Research Interests

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

Education

University at Albany, SUNY *Sept 2024 - May 2026*
Master of Arts in Mathematics, supervised by Marco Varisco *(expected)*

University at Albany, SUNY *Sept 2022 - May 2024*
Bachelor of Science, Mathematics major, Physics minor
 ◦ 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*

Conferences Attended

Binghamton Combinatorics, Algebra, and Topology Conference (BUGCAT) 2025 *Nov 2025*
 Young Homotopy-Theorist Meeting *Oct 2025*
 European Autumn School in Topology *Sept 2025*
 Talbot 2025 *May 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.