Zoë Pope

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

Research Interests

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

Education

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

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*

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 artifical intelligence training to sort attributed graphs by similarity. Under the advisement of Abram Magner.