Zoë Pope

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

Research Interests

I am interested in higher category theory and homotopy theory.

Education

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

SUNY University at Albany *Sept 2022 - May 2024*
Bachelor of Science, Mathematics major, Physics minor
- GPA: 3.78/4.0 (Summa Cum Laude)

Talks

Albany Student Seminar, *What are ∞-categories?*	*Nov 2025*
UAlbany Algebra/Topology Seminar, *An introduction to homological stability*	*Nov 2025*
Talbot 2025, *Homological stability of automorphism groups*	*May 2025*
Albany ATiA Seminar, *Rectifications of homotopy interleaving distances*	*Apr 2025*

Conferences Attended

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*
Binghamton Combinatorics, Algebra, and Topology Conference (BUGCAT)	*Nov 2024*
Fall 2024 AMS Eastern Sectional Meeting	*Oct 2024*

Other Experience

Master's Thesis *Sept 2024 - 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*
Gave tutoring to university students through UAlbany's Educational Opportunity Program as well as their Collegiate Science and Technology Entry Program. Also gave tutoring to 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 Dr. Abram Magner.