

Zoë Pope

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

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

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.