

Zoë Pope

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Research Interests

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

Education

University at Albany, SUNY <i>Master of Arts in Mathematics, supervised by Marco Varisco</i>	<i>Sept 2024 - May 2026 (expected)</i>
University at Albany, SUNY <i>Bachelor of Science, Mathematics major, Physics minor</i> ◦ GPA: 3.78/4.0 (Summa Cum Laude)	<i>Sept 2022 - May 2024</i>

Talks

BUGCAT 2025, <i>The Global Orbit Category and Assembly Maps</i>	<i>Nov 2025</i>
UAlbany Algebra/Topology Seminar, <i>How to Prove Homological Stability</i>	<i>Nov 2025</i>
Talbot 2025, <i>The Randal-Williams-Wahl Machine</i>	<i>May 2025</i>
UAlbany ATiA Seminar, <i>Rectifications of Homotopy Interleaving Distances</i>	<i>Apr 2025</i>

Workshops Attended

Young Homotopy-Theorist Meeting	<i>Oct 2025</i>
European Autumn School in Topology	<i>Sept 2025</i>
Talbot 2025	<i>May 2025</i>

Conferences Attended

Binghamton Combinatorics, Algebra, and Topology Conference (BUGCAT) 2025	<i>Nov 2025</i>
Cornell Topology Festival	<i>May 2025</i>
Atlantic Meeting on Topology, Representation theory, and K-theory	<i>Apr 2025</i>
Upstate New York Topology Seminar	<i>Mar 2025</i>
BUGCAT 2024	<i>Nov 2024</i>
Fall 2024 AMS Eastern Sectional Meeting	<i>Oct 2024</i>

Other Experience

Master's Thesis Exploring the global orbit ∞ -category for discrete groups with applications to equivariant homotopy theory. Under the advisement of Marco Varisco.	<i>Sept 2025 - Present</i>
Graduate Assistant Tutoring students and helping to proctor and grade exams as part of the graduate program.	<i>Sept 2024 - Present</i>
Mathematics Tutor 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.	<i>Aug 2023 - Aug 2024</i>
Undergraduate Research Fellow Designed a classifier for artificial intelligence training to sort attributed graphs by similarity. Under the advisement of Abram Magner.	<i>July 2023 - Aug 2023</i>