

Education

BS, Physics (in progress)	GPA: 3.7/4.0. Two years of coursework in mathematics, physics, chemistry, and computer science.
Indiana University Bloomington	
2023 - 2025	
BA, Dance as Spirituality	Independently-designed major positioning dance as a site for convening with the divine. Integrated coursework in dance, architecture, philosophy, moving image, and East Asian studies.
Bennington College	
2012 - 2016	

Research

Undergraduate Researcher in Mathematics (REU)	Indiana University Bloomington
Classifying Small Modular Tensor Categories	Oct 2023 - May 2024
Conducted research on small modular tensor categories under the supervision of Julia Plavnik and Abigail Watkins, investigating number theory and algebra in the context of category theory. Broadly situated, this area of mathematics has implications for topological quantum computing and topological phases of matter. Presented original findings at two undergraduate research conferences, receiving recognition at both for clarity and depth of mathematical insight.	

Teaching

High School Chemistry Teacher	Harmony School
Chemistry I, Chemistry II	Spring '25, Fall '24
Undergraduate Instructor	Indiana University Bloomington
Differential Calculus	Fall '22
Supplemental Instruction Lead	Indiana University Bloomington
College Algebra	Summer '22, Spring '22
Supplemental Instruction Lead	Indiana University Bloomington
Informatics Foundations	Summer '22, Spring '22, Fall '21, Summer '21

Presentations

Topological Illustrations - Soft Sculptures	
Lab of Geometry at Indiana University - Log (IU)	May 2025
Graduate Student Geometric Topology Conference (GSGTC)	April 2025
CEW&T Research Poster Competition	April 2025
Classifying Small Modular Tensor Categories	
IU Undergraduate Research Competition (IUURC)	Dec 2024
CEW&T Research Poster Competition	April 2024
Topological Illustrations - Mobiles	
Lab of Geometry at Indiana University - Log (IU)	Dec 2023

Awards

First Place, CEW&T Research Poster Competition	Indiana University Bloomington
Topological Illustrations - Soft Sculptures	April 2025
Awarded top score (292/300) in the Physical & Mathematical Sciences category for research exploring the intersection of topology, soft sculpture, and visual math communication.	
Honorable Mention, IU Undergraduate Research Competition (IUURC)	Indiana University Bloomington
Classifying Small Modular Tensor Categories	Dec 2024
Recognized as one of 14 awardees out of 147 statewide applicants for mathematics research in category theory.	
First Place, CEW&T Research Poster Competition	Indiana University Bloomington
Classifying Small Modular Tensor Categories	April 2024
Awarded top score (299/300) in the Physical & Mathematical Sciences category for mathematics research in category theory.	

Additional Training & Grants

Educating for Environmental Change

Summer '25, Spring '25, Fall '24

Indiana University Bloomington

Selected for a funded professional development series equipping K–12 science educators to teach the science of climate change. Emphasis on integrating technology and AI to deepen student engagement and promote environmental stewardship.

Science, Art, Sound, and the Sacred

Aug 2024

Hollyhock Retreat Centre

Awarded full tuition scholarship to attend a week-long retreat exploring the intersections of science, art, and spirituality led by biologist Rupert Sheldrake, mycologist Merlin Sheldrake, and artist Cosmo Sheldrake.

Strange Loop Conference

Oct 2023

St. Louis, MO

Awarded full scholarship to attend the Strange Loop Conference, an interdisciplinary gathering of technologists exploring emerging ideas in programming languages, computer science, and creative computing.

Service

Women in Math

Spring 2025

Indiana University Bloomington

Diversity & Inclusion Advisory & Action Council (DIAAC)

Spring 2025, Fall 2024

Indiana University Bloomington

