

EDUCATION

Cornell University PhD Applied Mathematics	Ithaca, NY Fall 2024 –Current
Michigan State University BS Physics and Mathematics, Graduated With Honor Minor in Computational Mathematics, Science, and Engineering	East Lansing, MI Fall 2020–Spring 2024

RESEARCH EXPERIENCE

Summer of Undergraduate Applied Math Institute REU Carnegie Mellon University	Pittsburgh, PA Summer 2023
– Assessing the robustness of VBMC for extracting parameters in differential equations	
Research Assistant MSU Department of Physics and Astronomy’s Physics Education Research Lab	East Lansing, MI Fall 2021 - Summer 2022
– Integrating Computation in Science across Michigan	
Research Assistant MSU Department of Physics and Astronomy’s Facility for Rare Isotope Beams	East Lansing, MI Spring 2022 - Summer 2022
– Contributed to development of beam optimization code for the Separator for Capture Reactions	

TEACHING EXPERIENCE

• Electricity and Magnetism I (PHY 481) <i>Learning Assistant, Teaching Fellowship</i>	Spring 2024
• Classical Mechanics (PHY 321) <i>Learning Assistant</i>	Spring 2024
• Mathematical Modeling in Physics (PHY 415) <i>Learning Assistant</i>	Fall 2023
• Machine Learning Short Course <i>Co-taught with Professor Danny Caballero</i>	Summer 2023
• Physics for Scientists and Engineers II (PHY 184) <i>Learning Assistant</i>	Spring 2023
• Curriculum Development for Physics for Scientists and Engineers II (PHY 184)	Fall 2022
• Curriculum Development for studio physics classes (PHY 173/PHY 174) <i>Improved accesibility of course materials</i>	Summer 2022
• Physics for Scientists and Engineers II (PHY 184) <i>Learning Assistant</i>	Spring 2022
• Physics for Scientists and Engineers I (PHY 183) <i>Learning Assistant</i>	Fall 2021
• Physics for Scientists and Engineers I (PHY 183) <i>Learning Assistant</i>	Spring 2021

HONORS AND AWARDS

- Robert F. Smith Fellowship August 2024
Cornell University College of Engineering
- Thomas Osgood Award for Excellence in Academics and Research April 2024
Michigan State University department of Physics and Astronomy
- Undergraduate LA Award, Upper-Level Course April 2024
Michigan State University department of Physics and Astronomy
- McCartney Scholarship Award April 2023
Michigan State University department of Mathematics
- Best Poster for *Assessing the Robustness of VBMC for Extracting Parameters in Differential Equations* NAM
Mathfest 2023

CONFERENCES ATTENDED

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| Graduate Research Opportunities Workshop 2023
Duke University | Durham, North Carolina
October 20-22, 2023 |
| 2023 SIAM Great Lakes Meeting
Michigan State University | East Lansing, MI
October 14, 2023 |

EXTRACURRICULAR ACTIVITIES

- Science Theater demonstration maintenance lead Spring 2023–Spring 2024
Science Theater is a science communication club that performs STEM demos for kids of all ages.
- Michigan State University Society of Physics Students Vice President Summer 2023–Spring 2024
- Women and Minorities in the Physical Sciences Mentoring co-chair Fall 2022–Summer 2023
- Chaperone of Physics of Atomic Nuclei (PAN) summer camp July 24-29, 2022, July 23-28, 2023
PAN is a free, week-long summer camp about nuclear astrophysics for high school students.