

## EDUCATION

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Bachelor of Science in Mathematics and Physics East Lansing, MI  
Minor in Computational Mathematics, Science, and Engineering (CMSE) Fall 2020–Current  
Michigan State University

## RESEARCH EXPERIENCE

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Summer of Undergraduate Applied Math Institute REU Pittsburgh, PA  
Carnegie Mellon University Summer 2023  
– Work with Bayesian Parameter Estimation

Research Assistant East Lansing, MI  
MSU Department of Physics and Astronomy's Physics Education Research Lab Fall 2021 - Summer 2022  
– Integrating Computation in Science across Michigan

Research Assistant East Lansing, MI  
MSU Department of Physics and Astronomy's Facility for Rare Isotope Beams Spring 2022  
– Contributed to development of beam optimization code for the Separator for Capture Reactions

## TEACHING EXPERIENCE

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- Machine Learning Short Course Summer 2023  
*Co-taught with Professor Danny Caballero*
- Physics for Scientists and Engineers II (PHY 184) Spring 2023, Spring 2022
- Physics for Scientists and Engineers II (PHY 184) (curriculum development) Fall 2022
- Curriculum Development for studio physics classes (PHY 173/PHY 174) Summer 2022  
*Improved accesibility of course materials*
- Physics for Scientists and Engineers I (PHY 183) Fall 2021, Spring 2021

## AWARDS

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- McCartney Scholarship Math Award Spring 2023

## EXTRACURRICULAR ACTIVITIES

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- Vice President of Michigan State University Society of Physics Students Summer 2023–Current  
*General member of SPS since 2021.*
- Officer of Women and Minorities in the Physical Sciences graduate organization 2022–Current  
*Mentoring Co-Chair.*
- Officer of Science Theater 2022–Current

*Demonstration maintenance coordinator. Science theater routinely performs science demonstrations for kids of all ages.*

- Member of Math Club 2022–Current
- Chaperone of Physics of Atomic Nuclei (PAN) summer camp Summer 2022, Summer 2023  
*PAN is a free, week-long summer camp about nuclear astrophysics for High-School students*