

## EDUCATION

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

## RESEARCH EXPERIENCE

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Summer of Undergraduate Applied Math Institute REU	Pittsburgh, PA
Carnegie Mellon University	Summer 2023
– Assessing the robustness of VBMC for extracting parameters in differential equations	
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 - Summer 2022
– Contributed to development of beam optimization code for the Separator for Capture Reactions	

## TEACHING EXPERIENCE

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

## SELECTED AWARDS

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- McCartney Scholarship Math Award Spring 2023
- 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

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- Science Theater demonstration maintenance coordinator Spring 2023–Current  
*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–Current
- 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.*