

# Owen Hart

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## EDUCATION

<b>University of Michigan</b> <i>College of Engineering</i> B.S.E in Nuclear Engineering and Radiological Sciences, May 2024	<b>Ann Arbor, MI</b> <i>September 2020 - Present</i>
<ul style="list-style-type: none"><li>▪ Cumulative GPA of 3.961 / 4.0</li><li>▪ Dean's Honor List and University Honors all semesters</li><li>▪ William J. Branstrom Freshman Prize</li><li>▪ Recipient of University of Michigan Regents Merit Scholarship</li><li>▪ Recipient of the Glenn Knoll Scholarship</li><li>▪ Computer Science Minor</li><li>▪ Relevant Course Work: Data Structures and Programming, Elements of Nuclear Engineering and Radiological Sciences, Applied Math for Engineering Physics, Electrical Circuits Systems and Applications</li></ul>	

## WORK EXPERIENCE

<b>University of Michigan</b> <i>Research Assistant</i>	<b>Ann Arbor, MI</b> <i>May 2021 – Present</i>
<ul style="list-style-type: none"><li>▪ Worked for the University of Michigan Computational Particle Transport Team on a Monte Carlo code project with Professor Kiedrowski.</li><li>▪ Wrote code simulating inelastic neutron scattering via sampling equiprobable outgoing energies and angles.</li><li>▪ Handled accessing of nuclear data for reaction cross sections.</li><li>▪ Tested code to ensure that the correct nuclear data was accessed and interpolated correctly for each reaction type.</li></ul>	
<b>Irradiation Monitor</b>	<i>June 2021 – Present</i>
<ul style="list-style-type: none"><li>▪ Monitored proton irradiations at the Michigan Ion Beam Lab.</li><li>▪ Remotely controlled the beam to maintain the monitoring conditions and sample temperatures.</li></ul>	
<b>Aquinas College</b> <i>Research Assistant</i>	<b>Grand Rapids, MI</b> <i>May 2020</i>
<ul style="list-style-type: none"><li>▪ Moller-Thompson research project on the geometry of viruses with Professor McDaniel, rescinded due to Covid-19 restrictions.</li></ul>	
<b>Kenona Industries</b> <i>Floor Worker/Machine Operator</i>	<b>Grand Rapids, MI</b> <i>July 2020 - August 2020</i>
<ul style="list-style-type: none"><li>▪ Worked in early product containment and performed quality checks on Ford Super duty axle beams and brackets and ensured faulty parts were not delivered to customers.</li><li>▪ Operated a CNC cell to machine axle beams.</li></ul>	
<b>Bonchon Chicken</b> <i>Dishwasher/Cashier</i>	<b>Grand Rapids, MI</b> <i>March 2019 – May 2019</i>
<b>Jimmy John's</b> <i>Inshop Employee</i>	<b>Grand Rapids, MI</b> <i>February 2018 – April 2018</i>

## ADDITIONAL

- Languages: Fluent in Spanish. Attended a Spanish immersion elementary and middle school
- Programming Languages: Matlab, C++, Python
- Interests: Snow skiing, bass guitar, tennis