

<div><div>Darryen Sands</div><div><div><div><div><div></div></div><div>Oshawa, Ontario</div></div><div><div><div></div></div><div>On request</div></div><div><div><div></div></div><div>@ darryensands@gmail.com</div></div><div><div><div></div></div><div>Github</div></div></div></div></div>			
Experience	<div><div>Ontario Tech University</div><div>Teaching Assistant</div><div><div><div></div></div><div>Worked as a teaching assistant for introductory linear algebra courses for engineering and science students, where classes comprised 30-40 students per tutorial.</div><div><div></div></div><div>Graded assessments and provided feedback to over 200 students, contributing to enhanced comprehension.</div></div></div>		<div><div>September 2022 - April 2025</div><div>Oshawa, Ontario</div></div>
	<div><div>Ontario Tech University</div><div>Graduate Research Assistant</div><div><div><div></div></div><div>Developed and mathematically justified an algorithm that can detect communities in discrete-time Markov chains.</div><div><div></div></div><div>Wrote a thesis regarding my algorithm and compared it to other state of the art algorithms in a variety of statistics.</div></div></div>		<div><div>September 2022 - January 2025</div><div>Oshawa, Ontario</div></div>
	<div><div>Durham Region Unemployed Help Centre</div><div>Digital Literacy Facilitator</div><div><div><div></div></div><div>I developed a 4-day workshop that taught basic computer usage.</div><div><div></div></div><div>Provided an interactive experience where clients could learn hands-on.</div></div></div>		<div><div>June 2022 - August 2022</div><div>Oshawa, Ontario</div></div>
	<div><div>Ontario Tech University</div><div>Laboratory Instructor</div><div><div><div></div></div><div>Taught a lab of 20 students the basics of the Linux operating system and the terminal for Mechanics I.</div><div><div></div></div><div>Conducted preparation of lab environments and Raspberry Pis for computational physics experiments.</div></div></div>		<div><div>September 2021 - January 2022</div><div>Oshawa, Ontario</div></div>
	<div><div>Community Living Oshawa/Clarington</div><div>IT Assistant</div><div><div><div></div></div><div>Listened to coworkers describe the issues with their computers, printers, or software; assessed issues and effectively resolved problems.</div><div><div></div></div><div>Called and emailed service companies, such as internet providers, to receive assistance in resolving technical issues.</div></div></div>		<div><div>June 2019 - August 2019</div><div>Oshawa, Ontario</div></div>
Education	<div><div>Ontario Tech University</div><div>Modelling and Computational Science</div><div>GPA: 4.0 / 4.3</div><div><div><div></div></div><div>Wrote my thesis titled "Cluster Detection in General Markov Chains with Applications to Directed Networks".</div></div></div>		<div><div>September 2022 - January 2025</div><div>Masters of Science</div></div>
	<div><div>Ontario Tech University</div><div>Physics & Applied and Industrial Mathematics</div><div><div><div></div></div><div>Wrote my undergraduate thesis titled "Detection of Gravitational Waves Using Machine Learning".</div><div><div></div></div><div>Volunteered as the President of the Physics Society, an undergraduate club for students to learn and interact with physics.</div></div></div>		<div><div>September 2016 - May 2022</div><div>Bachelors of Science (Honours)</div></div>
Projects	<div><div>Solving PDEs with Deep Learning</div><div>An upper-year course project involved using a deep learning library DeepXDE to solve partial differential equations. My team discussed the advantages and disadvantages over other solutions to PDEs.</div><div>Python, Tensorflow, Mathematics</div></div>		<div><div>September 2021 - December 2021</div></div>
	<div><div>Fraudulent Credit Transaction Detection</div><div>An upper-year course project where we used a neural network to analyze a skewed dataset and detect fraudulent transactions.</div><div>Python, Pandas, Tensorflow</div></div>		<div><div>September 2021 - December 2021</div></div>
	<div><div>Real-Time Translation Glasses</div><div>My team proposed glasses that could translate language”on-the-fly” for a competition. We ranked as one of the top four teams.</div><div>Computer vision, Python, Product design</div></div>		<div><div>May 2020 - August 2020</div></div>
Skills	Javascript		C
	MATLAB		Linux
	Mathematics		Git
	Java		Tensorflow
	Keras		CSS
Awards	<div><div>Dean's list</div><div>Ontario Tech University</div><div>Achieved a semester GPA of 3.5 or higher (on a 4.3 scale).</div></div>		<div><div>2019, 2020, 2021</div></div>
	<div><div>President's list</div><div>Ontario Tech University</div><div>Achieved a semester GPA of 3.8 or higher (on a 4.3 scale).</div></div>		<div><div>2020</div></div>