

EDUCATION	<b>Courant Institute of Mathematical Sciences (NYU)</b> <i>Ph.D. in Mathematics</i> • Research interests: PDEs, applied analysis, computer-assisted proofs	New York, NY, USA 2024 - 2029 ( <i>expected</i> )
	<b>Simon Fraser University (SFU)</b> <i>BSc in Mathematics (Honours First Class with Distinction)</i> • Honours Thesis: Finite Element Approximation of the Modified Steklov-Maxwell Eigenproblem • Advisor: Nilima Nigam • GPA: 4.25/4.33	Burnaby, BC, Canada 2020 - 2024
RESEARCH PROJECTS	<b>Recent Developments in the Analysis of Nonlinear Kinetic Equations (SFU)</b> <i>Supervisor: Weiran Sun</i> • Explored kinetic Schauder-type estimates with applications to the Landau equation. • Studied the regularity of solutions to a linear kinetic Fokker-Planck equation with initial data that has a logarithmic modulus of continuity.	May 2024 - August 2024
	<b>Spectral Geometry of the Steklov-Maxwell System (SFU)</b> <i>Supervisor: Nilima Nigam</i> • Examined the theoretical and numerical properties of a Steklov-type eigenvalue problem for Maxwell's equations. • Numerically tested the accuracy of conforming and non-conforming finite elements in computing the Steklov-Maxwell spectrum.	May 2023 - December 2023
TEACHING	<b>MATH 322: Complex Variables (SFU)</b> <i>Teaching Assistant</i>	September 2024 - December 2024
	<b>MATH 150: Calculus I with Review (SFU)</b> <i>Calc Connect Peer Mentor (Volunteer)</i>	September 2022 - April 2024
SELECTED AWARDS	<ul style="list-style-type: none"> <li>• <b>2023 Undergraduate Research Prize</b> (SFU Department of Mathematics) August 2024 <i>Given in recognition of excellence in mathematical research at the undergraduate level</i></li> <li>• <b>Dean of Science Convocation Medal</b> (SFU Faculty of Science) June 2024 <i>Awarded by the Dean of Science to one graduating student whose grades put them in the top five per cent of their class</i></li> <li>• <b>NSERC Undergraduate Student Research Award</b> (SFU) March 2024 <i>Grant from the Natural Sciences and Engineering Research Council of Canada (NSERC)</i></li> <li>• <b>Department of Mathematics Award</b> (SFU Department of Mathematics) October 2023 <i>Given to students who are passionate about their studies and make positive contributions to the SFU community</i></li> <li>• <b>NSERC Undergraduate Student Research Award</b> (SFU) March 2023</li> </ul>	
SKILLS	<p><b>Coursework:</b> Measure Theory, Functional Analysis, Complex Analysis, Partial Differential Equations, Linear Algebra, Fluid Dynamics, Topology, Dynamical Systems, Galois Theory, Group Theory, Commutative Algebra and Algebraic Geometry.</p> <p><b>Programming:</b> MATLAB, Maple, FreeFem++, Python, LaTeX</p>	