

OBJECTIVE	A research position in applied mathematics. My research interests are in learning theory, optimization, and random matrix theory.	
EDUCATION	Rensselaer Polytechnic Institute <i>Bachelor of Science in Mathematical Sciences (GPA 4.0/4.0)</i> Relevant Coursework: Probability Theory, Numerical Linear Algebra, Linear Algebra, Machine Learning and Optimization, Foundations of Analysis, Introduction to Complex Variables, Machine Learning for Autonomous Systems.	Troy, NY <i>Expected Summer 2024</i>
RESEARCH EXPERIENCE	Computer Science Department, RPI <i>Undergraduate Researcher</i>	Troy, NY <i>Fall 2022 - Fall 2023</i>
	<ul style="list-style-type: none">Developed novel algorithms to classify tree graphs utilizing Markov Chains with Professor Malik Magdon-Ismail and Professor Radoslav Ivanov.	
	Computer Science Department, RPI <i>Undergraduate Researcher</i>	Troy, NY <i>Summer 2023 - Spring 2024</i>
	<ul style="list-style-type: none">Develop theory for Robust Kernel Learning by Subquantile Minimization by studying a novel minimax formulation of robust learning solved by gradient descent with Professor Alex Gittens.	
POSTERS	Cornell University Research Experiences for Undergraduates <i>Undergraduate Researcher</i>	Ithaca, NY <i>Summer 2023</i>
	<ul style="list-style-type: none">Develop theory for Optimal Function Probing with a Bayesian Framework in the Data-Driven Discovery of Green's Functions with Christopher Wang and Professor Alex Townsend.	
	<i>Rensselaer Polytechnic Institute Undergraduate Research Fair</i>	<i>April 2023</i>
AWARDS	<i>Rensselaer Leadership Award</i>	<i>Fall 2021-Spring 2025</i>
	<i>COMAP MCM Honorable Mention (Top 22% of 8011 Teams)</i>	<i>May 2023</i>
	<i>Cornell REU</i>	<i>Summer 2023</i>
INDUSTRY EXPERIENCE	Huntington Ingalls Industries, Technical Solutions Division <i>Software Engineer Intern</i>	Hanover, MD <i>Summer 2022</i>
	<ul style="list-style-type: none">Software Implementation of Signal and Track Processing, Applied Mathematics, and Visualization in C, Java, and Python in a Linux Environment.Updated Magnetic Declination Equations to decrease error to 0.1% leading to more precise course directions.	
SKILLS	Highly Experienced: MATLAB, Python, \LaTeX , Pytorch, Proof Writing Experienced: C++, C, Java, Linux environment	