

**Summary:** I am a graduate student pursuing a career in scientific computing and applied mathematics. I am looking for a job where I can use my analytical and computational problem solving skills to tackle real world problems that will help humanity thrive during the next century and beyond. I am especially interested in using mathematics and computing to pioneer new ways to mitigate the climate crisis.

<b>Education</b>	<b>B.S. in Mathematics</b> , University of California, Santa Cruz <ul style="list-style-type: none"> <li>• Minor in Physics</li> <li>• GPA 3.9</li> <li>• Member of the NCAA Cross Country and Track teams</li> </ul>	June 2021
	<b>M.S. in Applied Mathematics and Scientific Computing</b> , University of California, Santa Cruz <ul style="list-style-type: none"> <li>• GPA 4.0</li> </ul>	June 2022 expected
<b>Experience</b>	<b>Teaching Assistant</b> , University of California, Santa Cruz <ul style="list-style-type: none"> <li>• Held discussion sections and office hours to help students with course-works. Graded and provided feedback to students on exams.</li> <li>• Courses supported: Multivariate Calculus for Engineers, Mathematical Methods for Economists.</li> </ul>	Fall 2021 - Present
	<b>Summer Intern</b> , <a href="#">Los Alamos National Laboratory X Computational Physics Division</a> <ul style="list-style-type: none"> <li>• Implemented the Rutherford scattering model in a large, C++, Monte Carlo charged particle transport (CPT) code library.</li> <li>• Performed code to code verification using two other CPT codes at the laboratory.</li> </ul>	Summer 2021
	<b>Math and Physics Tutor</b> , UCSC Learning Support Services <ul style="list-style-type: none"> <li>• Conducted 3 weekly small group tutoring sessions focused on engagement of students.</li> <li>• Courses tutored for include: Waves and Optics, Real Analysis, Abstract Algebra, Linear Algebra, Vector Calculus, and Discrete Mathematics.</li> </ul>	2019 - 2021
	<b>Undergraduate Researcher</b> , <a href="#">Polymath Research Experience for Undergraduates</a> <ul style="list-style-type: none"> <li>• Developed a visualization tool for representing convex geometries using circles in the plane.</li> <li>• Contributor on a <a href="#">paper</a> with cohort of 12 students and our mentor Professor Kira Adaricheva.</li> </ul>	Summer 2020
	<b>Program Mentor</b> , UCSC Learning Support Services <ul style="list-style-type: none"> <li>• Trained and mentored other tutors.</li> <li>• Conducted quarterly performance reviews of other tutors.</li> </ul>	2019
	<b>ATLAS electronics testing assistant</b> , Santa Cruz Institute for Particle Physics <ul style="list-style-type: none"> <li>• Collected data used to analyze the effects of annealing on silicon strip particle detectors.</li> </ul>	2018
	<b>Honors</b>	
	<b>Highest GPA of all UCSC male student athletes</b> <ul style="list-style-type: none"> <li>• Awarded for a GPA of 3.98 at the time</li> </ul>	2019
	<b>Men's Scholar-Athlete of the year</b> <ul style="list-style-type: none"> <li>• Coast-to-Coast Athletic Conference Cross Country awards</li> </ul>	2021
<b>Skills</b>	<b>Programming:</b> C++, Matlab, Python, Fortran, Git <b>L<sup>A</sup>T<sub>E</sub>X:</b> Proficient in mathematical and scientific document typesetting	

















