

Summary



As a CSE M.S. Graduate Student at UCSC I plan to study Artificial Intelligence, Brain-Inspired Machine Learning, Neural Networks, Algorithms, and the overall ethical implementation of AI. My goal is to become an Artificial Intelligence Researcher and spearhead our world into this powerful new frontier of technology. As a new graduate student, I love exercising outdoors, helping and learning from others, and being a great team player (especially during video games!).

Education

[Course History ↗](#)

University of California, Santa Cruz Computer Science & Engineering M.S.	September 2025 - TBD
University of California, Santa Cruz Computer Engineering B.S.	August 2023 - June 2025
West Valley College Mathematics A.S. — Liberal Arts: Math & Sci A.A.	August 2021 - June 2023

Skills Summary

Programming Language Experience:

I have expertise in C++, C, and Python. I have worked with JavaScript, Verilog, and RISC-V extensively as well. I am also familiar with Rust, MATLAB, and AWS. I have used \LaTeX or bash/zsh in almost every course.

Tools and Hardware Experience:

I can build Full Stack applications and have done so with Node.js, Express.js, React.js, and PostgreSQL. I used the ESP-IDF with the ESP32C3 microcontroller for Embedded System Design. For VLSI Design I used KLayout, OpenLane2, OpenRoad, and Ngspice. For FPGA Design I used Vivado. I have also used SolidWorks for 3D design, Mininet for network stimulation, Docker, and VSCode.

Experience

Group Tutor and Grader Baskin Engineering, University of California, Santa Cruz	December 2024 - Present
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- **CSE16: Applied Discrete Mathematics** - I hold a 5-hour group tutoring section of 5-15 students 2x a week.
- **CSE20: Beginning Programming in Python** - I hold a 2.5-hour group tutoring section of 5-15 students 2x a week. I also grade Midterm and Final exams for over 200 students.

Research Assistant University of California, Santa Cruz	January 2025 - April 2025
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- Created FIFO/LIFO/Round Robin schedulers to be used in an "Ecovisor" project, which looks to use AI to optimize energy consumption for renewable energy sources like solar and wind; I worked in one team on one component with another student

Waiter Stagnaro Bros., Santa Cruz & Willow Street Wood-Fired Pizza, Los Gatos	February 2021 - April 2024
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Projects

Physical Therapy Hand Rehabilitation Device ↗	January 2025 - Present
<ul style="list-style-type: none">• Worked in a team of 6 to build a device that performs physical therapy exercises for a patient's fingers• Created the entire Full Stack application for our team's device using Node, Express, React and Postgres• Documented our entire design process and plan in \LaTeX	

Certifications

Google Data Analytics Professional Certificate, Coursera ↗	May 2024
Used Python, SQL, Tableau, and R while learning and practicing common industry data science tasks.	