

Andrew Gordon

San Anselmo, CA | 303-646-7227 | andgordo@ucsc.edu | [Portfolio](#) | [LinkedIn](#) | [Github](#)

Full-Stack Software Engineer

WORK EXPERIENCE

Freelance

San Rafael, CA

Full-Stack Software Engineer

August 2021 – Present

- Develop cross-platform finance applications for two clients on Web, Android, and IOS utilizing Node.js, JavaScript, Flutter, Python, and Google Cloud Platform services such as Firebase, Firestore, and sign-ins.
- Deploy Node.js backends with NoSQL databases storing user data and cached application programming interface (API) calls for stock market quotes, reducing reliance on external services up to 90%.

UCSC-Cisco Sponsored Project

Santa Cruz, CA

Backend Software Engineer

January 2021 – July 2021

- Ensured 100% encrypted communication in a mesh network by implementing key cryptography and adaptive routing with virtual private networks, BGP, Golang, and AWS EC2s (scrum master of the AGILE Team).
- Enabled successful delivery of two releases in six months by composing weekly progress reports and collaborating with a team of network engineers at Cisco (each release generated during five, two-week sprints).

University of California, Santa Cruz

Santa Cruz, CA

Computer Science Grader

January 2021 – June 2021

- Automated testing of student programs with Perl and Bash scripts, reduced the time spent grading by 80% for over 160 student programming assignments written in Perl, OCAML, Smalltalk, and Scheme.

iD Tech

San Francisco, CA

Computer Science Instructor

July 2020 – February 2021

- Developed and taught personalized computer science curriculum for Python, JavaScript, Java, Machine Learning, and circuitry for over 50 students in person and over 100 students in online sessions (ages 8 to 19).

Lantern Medical

San Rafael, CA

Software Engineering Intern

May 2020 – December 2020

- Devised C programs for STM micro-processors to retrieve and parse real-time streams of remote distance sensor data (time of flight up to two meters) to enable touchless, gesture-activated devices.

PROJECT AND LEADERSHIP EXPERIENCE

GoGuard – Mesh Network Generator – Sponsored Project by Cisco

Backend Software Engineer

- Increased testing efficiency by 30% with unit tests via virtual networks in Docker, AWS EC2, and Bash scripts.
- Implemented proxying of requests in services, allowed the system to adapt and have a fault tolerance of 99%.

Delish – Restaurant Finding Full-Stack Web App

Full-Stack Software Engineer

- Built front-end to display up to 300 restaurants for any global search locale (by cuisine type) with Google APIs.
- Expedited feature completion by 40% from assisting teammates with debugging JavaScript and assigning tasks.
- Enabled crowdsourced restaurant ratings with sign-ins and caching of API data via Google Cloud Platform.

EDUCATION

The University of California, Santa Cruz

Santa Cruz, California

Bachelor of Science in Computer Science, Minor in Electronic Music

Graduation Date: June 2021

- Awards/Organizations: **3.8 GPA**, Cum Laude Honors, Dean's Honors List, Club Volleyball President.

SKILLS & INTERESTS

Skills: Python, Java, JavaScript, C, Golang, PostgreSQL, NoSQL, Docker, HTML, Git, Tensorflow, NumPy, Node.js, React, Flask, GCP, AWS EC2, UNIX, Linux, Flutter, Dart, AGILE, Ableton, Max MSP, 100+ WPM

Interests: Application Development, Data Engineering and Analysis, Algorithmic Analysis, Machine Learning, Cloud Computing, Computer Audio Applications, Digital Signal Processing, Music Production, Piano, Volleyball