Aubrey E. Anderson

aubrey@bigsur.com

Experience

Private Company | Seattle, WA — Sep. 2022 - Present
Software Engineer

Google, Nest EngProd | Portland, OR; Mountain View, CA
Software Engineer III — Nov. 2020 - May 2022

- Led a group producing new infrastructure to enable testing new product launches
- Separated a monolithic service into multiple microservices to support increased client flexibility
- Managed and prioritized feature requests from users
- Mentored new team members to bring them up to speed with the team's work

Software Engineer II — Aug. 2019 - Nov. 2020

- Constructed infrastructure to enable automated testing of Nest software
- Unified a significant portion of my team's service with another team's resulting in reduced latency and de-duplicated effort
- Solved proxy and networking issues in a complex and convoluted environment
- Identified and executed ways to reduce tech debt within our code base

SurveyMonkey | San Mateo, CA — June 2018 - Aug. 2018
Software Engineering Intern — Content Engineering Team

- Designed and implemented a process to distribute and localize content to locale-specific sites
- Added ability to save unpublished drafts of published posts in the content management system
- Wrote unit and functional tests to help guarantee incident-free deployments

Piaggio Fast Forward | Boston, MA — June 2017 - Aug. 2017
Software Engineering Intern — Gita: Two-Wheeled Following Robot

- Implemented I^2C interface for embedded motor controller communications
- Developed motor controller software to support limit switches and emergency stop
- Improved robot control system to increase stability and reduce oscillations

Education

Tufts University | Medford, MA — Sep. 2015 - May 2019
B.S. in Electrical Engineering and Computer Science (Double Major)
Graduated *summa cum laude* – GPA: 3.97
Morris and Sid Heyman Prize Scholarship for Academic Achievement in Electrical Engineering
Amos Emerson Dolbear Scholarship for Promise in Electrical Engineering
EE Coursework: Digital Signal Processing, Communication Systems, Computer Engineering, Feedback Control Systems, Electronics 1 & 2, Linear Systems, Microprocessor Architecture, Power Electronics, Complex Variables
CS Coursework: Algorithms, Concurrent Programming, Machine Structure & Programming, Programming Languages, Theory of Computation, Graph Theory

Academic Experience

No Starch Press | San Francisco, CA — May 2018 - June 2019
Technical Book Reviewer — *The Secret Life of Programs*

- Ensured technical accuracy for a book on the introductory aspects of electrical, computer, and software engineering and design

Tufts University CS Department | Medford, MA — Sep. 2016 - Dec. 2018
Teaching Assistant — Data Structures, Intro to CS, Algorithms

- Improved curriculum by designing new assignments

Skills

Languages: Java, Python, C++, C, Go, Dart, Matlab, JavaScript, VHDL
Software: Git, SQL, LTSpice, Arduino, Autodesk Inventor