

**Education**

University of California, Santa Cruz *class of 2016*

Bachelor of Science in Robotic Engineering, Minor in Computer Science. *GPA 3.53*

Academic Honors:

- eBay Inspire! Scholarship
- Dean’s Honors List

Obtained private pilot’s license, Sept. 2014

FAA-certified to pilot a single-engine aircraft such as a Cessna 172 under visual flight rules.

Plan to continue training as time permits.

**Skills****Programming**

- Proficient - Java, C
- Some – Perl, Smalltalk, OCaml, Scheme, Matlab, HTML, MIPS Assembly
- Developer tools – Eclipse, vi, gdb
- Platforms – Unix, Linux, Mac OS, Windows, Arduino

**Video editing/presentations**

- Video – Premier Pro
- Photoshop, Microsoft Office, PowerPoint

**Spoken languages**

- Fluent - English
- Proficient – Spanish

**Maker**

- Basic circuit design, build, analysis
- Power tools
- Metalworking –Welding, Machining, Blacksmithing
- Carpentry

**Projects/Interests**

- **UCSC Electric Vehicle R&D Collective, Founding Member** - Fall 2014-present  
*The collective is a group of grad and undergrad students and industry professionals who are building electronic vehicles for use at our university.* Projects we are working on include retrofitting a donated early prototype electric vehicle (Dagne), updating UCSC’s electric maintenance fleet from lead acid to lithium ion batteries, exploring the use of supercapacitors for power storage, creating a solar charging station, and designing and building an electric vehicle to compete in Formula SAE Electric competitions. I organized our petition drive and met with university administration on behalf of the team; we are now allowed to fundraise and use space on campus. I took the initiative to organize the club into effective, task-centered teams. We are currently seeking additional industry sponsors and networking with teams at other universities. I also work on the electrical & mechanical engineering teams of the Dagne Retrofit.
- **Intern, eBay, Inc.** – Summer 2013  
Participated in user testing and wrote competitive analysis reports during the beta phase of eBay’s Collections feature; participated in user experience and site interaction testing; performed exploratory testing and QA of web pages.
- **Flying trapeze, aerial silks, hiking, climbing, kayaking, piloting drones.**

**Relevant Coursework**

Programming in Java	Java
Data Structures / Abstract Data Types	Java, C
Hypermedia and the Web	HTML, CSS, web2py
Physics Series For Scientists and Engineers	
Introduction To Robotic Automation: Feedback Control	MATLAB
Computer Systems and Assembly Language	MIPS Assembly, LC-3
Math Methods - Differential Equations	
Electronic Circuits	
Signals and Systems	MATLAB, Simulink
Probability and Statistics for Engineers	
Comparative Programming Languages	HTML, CSS, web2py, Perl, Smalltalk, Scheme, OCaml, Prolog, Haskell