

Aaron Perley

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Education

Carnegie Mellon University, Pittsburgh, PA

May 2017

Bachelor of Science in Electrical and Computer Engineering

with an Additional Major in Robotics

GPA 3.66 Carnegie Institute of Technology Dean's List Fall 2013

Volunteer and Work Experience

Course Assistant for Introductory Programming Class (15-112)

Spring 2014

- Work with 30 other assistants and professor to support 380 student class
- Plan and co-teach 1-hour recitation for 25 students
- Respond to student questions at in-person and online office hours
- Grade homework and quizzes for correctness and programming style

Carnegie Mellon
University

Ubooly, Inc. (ubooly.com) – Web Development Intern

February 2013 –

- Helped write internal content management system and iOS API
- Met with small startup team weekly to plan product features and timeline
- Educated new team members on using internal tools

present

Boulder, CO

Institute for Arctic and Alpine Research (INSTAAR) – Intern

Summer 2011

- Worked with postdoctoral researchers to process water samples and analyze dissolved organic matter readings
- Wrote MATLAB code to automate analysis of spectral data

University of
Colorado at Boulder

Extracurricular Activities

Carnegie Mellon Robotics Club

Fall 2013 – present

- Contributed to layout, production, and testing of PCB for sensor module
- Developed C library implementing I²C protocol for Atmel microcontroller
- Working with 5 team members to develop a shield for an embedded system

Carnegie Mellon Ultimate Frisbee Team

Fall 2013 – present

Fairview High School Web Team – fairviewhs.org

2011 – 2013

- Webmaster (2012-2013) for official high school website
- Added new features for online quizzes, registration, and counseling center
- Taught group of 15 students basic web development skills

Skills

Web Development: HTML, CSS, Javascript, jQuery, Ruby on Rails, NodeJS (Express), MySQL, Git

Programming: Python, Ruby, C, MATLAB