Anatol Liu

SMC 3198, Carnegie Mellon University
Pittsburgh, PA 20854
(609)-203-7393
axl@andrew.cmu.edu

OBJECTIVE

To find a summer internship utilizing my skills in software development and computer science.

EDUCATION

Carnegie Mellon University Pittsburgh, PA — Fall 2014 - Present
B.S. in Computer Science
Projected Graduation: May 2018

Richard Montgomery HS Rockville, MD — Fall 2010 - Spring 2014
High School Diploma, IB Diploma

Relevant Coursework: Intro to Computer Systems, Intro to Physical Computing, Principles of Functional Programming, Principles of Imperative Programming, Great Theoretical Ideas in Computer Science

SKILLS

Languages: Python, C, JavaScript, Java, Ruby, Swift, HTML/CSS
Software Development Skills: jQuery, node.js, Flask, Semantic UI, iOS, Unix, LaTeX
Applications: Adobe Photoshop, Microsoft Office, VirtualBox

WORK EXPERIENCE

Lockheed Martin Rockville, MD — Summer 2015
Intern
- Worked on a project that provided big data visualization for IT companies. Built web frontend and part of Java backend.

Academic Development Pittsburgh, PA — Winter 2015 - Present
Peer Tutor
- Tutors Concepts of Mathematics, CMU's introductory proofs course.

Roaring Fork Pittsburgh, PA — Spring 2015
Developer
- Worked on a project that collected civil court case data and allowed for the data to be searched. Built web scraper and parser.

PROJECTS

PianoScribe — Winter 2014
- Created an app that transcribed piano onto sheet music and allowed for user playback. Used fast fourier transforms and analyzed signal envelopes. Written in Python.

SmartCan — Winter 2015
- Part of a team that created a smart trash can at PennApps capable of sorting items based on recyclability. Won Best Use of Intel Edison award. Used node.js, Intel Edison, MongoDB, and iOS.

Sonnetify — Fall 2014
- Built a synthesizer that, after several user played notes, would start to play a harmony alongside the user. Used a simple Markov Chain. Built with Arduino and hand-crafted pressure sensors.

SpeedCheck — Fall 2014
- Created a webapp that used crowdsourcing to generate a wifi speed heatmap. Also allowed users to check wifi speeds nearby. Built with node.js.

ACTIVITIES

Taiwanese Student Association — Fall 2014 - Present
Game Creation Society — Fall 2014-Present