Ashley C Wong 443.653.6773 ashleywo@andrew.cmu.edu

Projects & Experience

112+ | Fall 2015 - Present
Research Project
- Utilize the 112 API to build web tools for intro CS courses and other departments
- Developing Interactive Python tutor and interactive recursion exercises

RobOrchestra | Fall 2015 - Present
Max 7, Arduino
- Working on high-level programming and embedded Arduino to program robotic instruments

Pokémon Battle Simulator | March 2015 - May 2015
Python, Pygame, PokéAPI, Sublime Text
- Built and designed portion of Pokémon video game
- Created working AI of moderate difficulty for game

Leadership

Project Ignite | Fall 2015 - Present
Musical Instrument Construction, Project Advisor
- Advise high school students in field-related projects
- Work as a group to build musical instruments and combine engineering and computer science

Camp Dubois | Summer 2014 - Summer 2015
Senior Music/Management Intern
- Taught students advanced music theory
- Conducted both small and large group ensembles
- Supervise new interns when needed

Internal Revenue Service | Fall 2014 - Spring 2015
Volunteer Income Tax Assistance
- Calculated tax return filing for low-income families, both for federal and state refunds

Carnegie Mellon University | Fall 2014 - Spring 2015
Event Management, Athletics Department
- Set up and break down of game equipment
- In-game management of athletic activities, including side-line ball duties

Skills

- Computer: Python, Javascript, HTML/CSS, SML, experience with C/C++, PHP, Arduino and Max 7
- Other: MS Office, Eclipse, LaTeX, Sublime Text, VIM, music performance

Education

Carnegie Mellon University
Intended Bachelor of Science in Mathematical Sciences (2018)
Intended double major/minor in Computer Science

Mount Hebron High School
Graduated 2014
GPA: 4.96/4.00

Coursework

- Fundamentals of Programming
- Principles of Imperative Computing
- Principles of Functional Computing
- Independent Study in CS Pedagogy
- Concepts of Mathematics
- Matrices and Linear Transformations
- Multidimensional Calculus
- Differential Equations
- Algebraic Structures