Donald Huang

Education

2014   **Bachelors in Computer Science**, *Carnegie Mellon University*, Pittsburgh, PA.
GPA: 3.62

2010   **High School**, *Baldwin High School*, Pittsburgh, PA.
National Merit Scholar

Work Experience

2012 -   **15-213 Teaching Assistant**, *Carnegie Mellon University*, Pittsburgh, PA.
Introduction to Computer Systems: an introduction to C and systems programming

2012   **Software Engineer Intern**, *Facebook*, Menlo Park, CA.
Implemented a new feature in the Messenger application for Android

2011   **Software Engineer Intern**, *Factual*, Los Angeles, CA.
Worked on designing and creating a task queuing system in Java and Clojure

2010   **15-110 Course Assistant**, *Carnegie Mellon University*, Pittsburgh, PA.
Principles of Computer: an introduction to programming using Python

Relevant Coursework

Spring 2012   **15-410 Operating System Design and Implementation**.
Worked with a partner to write a threading library implementing `thr_create()`, `thr_join()`, and `thr_exit()`, along with mutexes, condition variables, and semaphores, in C.
Wrote a robust stack trace printer in C.

Spring 2012   **15-210 Parallel and Sequential Data Structures and Algorithms**.
Learned about proved, and implemented a variety of parallel and sequential data structures in Standard ML

Fall 2011   **15-213 Introduction to Computer Systems**.
Wrote a multithreaded caching proxy in C.
Implemented `malloc()` using segregated free lists and various other optimizations

Skills

Programming Languages   C, Java/Android, Standard ML, Python, Clojure, C++

Software   vim, git, LaTeX, Intellij