James Wu

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EDUCATION

Carnegie Mellon University, Pittsburgh, PA — School of Computer Science

- B.S. in Computer Science, May 2016
- GPA: 4.0/4.0, Dean's List
- Coursework: Distributed Systems, Compiler Design, Algorithms, Machine Learning

Harvard University, Cambridge, MA

- Took undergraduate courses as part of invitational program for high school students: Introduction to Computer Science (CS50), Linear Algebra

Newton South High School, Newton, MA

EXPERIENCE

Software Engineer, Facebook Inc. (Menlo Park, CA — 2016)

- Future Software Engineer, University Grad at Facebook's Menlo Park campus

Software Engineer Intern, Facebook Inc. (Menlo Park, CA — Summer 2015)

- Worked as software engineer intern on Ads Measurement team working on data pipelines and machine learning algorithms
- Automated systems for improving and measuring the accuracy of ad targeting for businesses

Lead Teaching Assistant, Principles of Imperative Computation (Pittsburgh, PA — 2014-15)

- Taught students imperative programming using C
- Managed course staff of 25 to teach course of over 350 students

Software Engineering Intern, Google Inc. (Pittsburgh, PA — Summer 2014)

- Site Reliability Engineering intern working on datacenter operation and automation tools
- Summer intern project automates rollout process for distributed datacenter maintenance service

SKILLS

- Programming — strong experience coding in Python, C, Javascript, OCaml, Java, PHP, HTML, Unix environments, CSS, SQL, Standard ML; working knowledge of Lisp, Erlang, Go, C++, Swift, and Ruby
- Experience with major frameworks: React, Node.js, MongoDB, Hadoop, Mercurial, Git, SVN, Google App Engine, Rails, Django, Wordpress, jQuery, Latex
- Github at http://www.github.com/jamesjwu

PROJECTS

CMUQ (Carnegie Mellon University — 2015)

- Lead development of web application which allows students to sign up for office hours in courses
- Application collects data and metrics on student-course interaction, allowing TAs to better suit student needs —Improved average number of students helped at office hours by 15%
- https://github.com/jamesjwu/Q

C0 Compiler (Carnegie Mellon University — 2015)

- Implemented full optimizing compiler for C0, a safe subset of C, as part of compiler design course
- Compiler has support for first-class functions, function pointers, constant propagation, tail-call optimization, heuristic-based function inlining, and various other optimizations and features