William Wu

williamwu.2k12@gmail.com | (510) 684-6108 | http://williamwu.in

Objective

I enjoy working with mobile apps and general backend development, though I would love the opportunity to learn and contribute in other areas. I am looking for a Summer 2016 software engineering internship position.

Education

University of California – Berkeley — Berkeley, CA

Computer Science Major [GPA: 3.5**]** — Aug. '12 – Dec. '16

CS61A: Intro to Programming	***CS170***: Algorithms	***CS70***: Discrete Math and Probability
CS61B: Data Structures	***CS188***: Artificial Intelligence	***Math1B***: Calculus
CS61C: Computer Architecture	***CS189***: Machine Learning	***Math54***: Linear Algebra
CS98: Mac and iOS Dev. Decal	***CS161***: Computer Security [IP]	***EE42***: Digital Electronics
CS98: Ruby on Rails Dev. Decal	***CS168***: Computer Networking [IP]	***IEOR191***: Tech Entrepreneurship

Experience

Amazon Inc. – Consumer Website Services Team — Seattle, WA

Software Development Engineer Intern — May '15 – Aug. '15

- designed and developed a full stack internal Rails advertisement server using AWS S3, RDS, and EC2
- implemented a bag-of-words clustering algorithm to target ads towards relevant customers

UC Berkeley – Computer Science Instructional Staff — Berkeley, CA

CS61B (Data Structures) Lab Assistant — Sept. '14 – Dec. '14

- worked with section instructor to facilitate the class in lab and office hours
- explained concepts to students as they completed assignments

Projects

https://github.com/williamwu2k12

- ***Thanks-For-The-Invite***: iPhone application that uses Parse and SQLite3 to manage user-defined events, simplify the invitation and accept/reject process, and provide a platform for guests to discuss and update an event
- ***Secure-Browsing***: Google Chrome extension that uses Chrome APIs and CryptoJS (mainly AES and SHA256) to store, password protect, encrypt, view, and analyze link history, providing safer and enhanced functionality for both normal browsing and incognito mode
- ***Flickr-Filterr***: iPhone application that accesses the Flickr API and the default Core Image filters to search for, display, apply filters to, and save Flickr images
- ***CS61C – Map Reduce on Spark and EC2***: MapReduce project that strongly solves sliding puzzles using Python framework Apache Spark (based on Hadoop) on Amazon Elastic Compute Cloud clusters

Skills

Programming Languages

- Python, Java, C, Objective-C
- Ruby on Rails, JavaScript, HTML

Software and Tools

- Git, XCode, Vim, Eclipse, Sublime Text 2, Unix Shell
- Frameworks: Apache Spark MapReduce, Bootstrap, DesignModo Startup, Parse Core/Push
- Libraries: CryptoJS, SQLite3