William Wu

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Objective

I enjoy working with mobile and web application development, though I would love the opportunity to learn and contribute in other areas. I am looking for a Summer 2015 software engineering internship position.

Education

University of California – Berkeley — Berkeley, CA

Computer Science Major — Aug. '12 – Dec. '16

GPA: 3.54

Relevant Coursework:

CS61A: Program Interpretation and Structure, ***CS61B***: Data Structures, ***CS61C***: Computer and Machine Architecture
CS70: Discrete Mathematics and Probability, ***CS98***: Mac and iOS Development Decal, ***CS98***: Ruby on Rails Decal
CS188: Artificial Intelligence, ***CS170***: Algorithms and Intractable Problems [IP], ***CS189***: Machine Learning [IP]
EE42: Digital Electronics, ***IEOR191***: Technological Entrepreneurship [IP]
Math1B: Calculus, ***Math54***: Linear Algebra and Differential Equations

Experience

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

Northrop Grumman Internship — El Segundo, CA

Engineering Aide — Feb. '12 – June '12

- processed data sets for the post production team for the F-5, T-38, and F-18 planes

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
- Autodesk Inventor Professional (computer aided design)