

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	08-2012 – 12-2016

GPA: 3.64

Relevant Coursework:

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

El Segundo High School	El Segundo, CA
GPA: 4.45	08-2008 – 06-2012

Experience

UC Berkeley Computer Science Instructional Staff	Berkeley, CA
<i>CS61B (Data Structures) Lab Assistant</i>	09-2014 – Present

- 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
<i>Engineering Aide</i>	02-2012 – 06-2012

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

Projects

<https://github.com/williamwu2k12>

- **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
- **Object-Communicate:** iPhone application that displays a list of items in a table and on a map (as pins), allowing a user to track the location of their possessions
- **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
- **CS61B-Graphs:** weighted, undirected graph data structure (class project) utilizing linked lists, hash tables, and disjoint sets to maximize efficiency in runtime and memory usage

Skills

Programming Languages

- Python, Java, Objective-C
- JavaScript, HTML

Software

- Git, XCode, Eclipse, Sublime Text 2, Unix Shell
- Autodesk Inventor Professional (computer aided design)