

Paul Wallace



19155 Christensen Court, Castro Valley, California, 94546

T: 510-432-7144, E: paulrwall@gmail.com, github: <https://github.com/PaulWall43>

Objective To develop meaningful and innovative software using my knowledge of software engineering, problem solving skills and experience.

Experience **Education First – Software Engineering Intern** Shanghai, China June – August 2015

- Creative **designer, engineer** and **presenter** for new prototype classroom application
- **Swift | Objective-C | Xcode | Firebase | iBeacons | Strategy and Singleton Pattern**
- Developed the back-end, front-end, DB design, application architecture, UI and UX with lead mobile architect and QA tester
- Utilized Apple maps SDK and the Firebase API for innovative live updating features

Education **University of California San Diego**
B.S. Computer Science
GPA: 3.407
Provost Honors – UCSD
Highest Honors – Castro Valley High School

Skills **My box of skills**

Languages	Tools/Libs/Misc	Computer Science
<ul style="list-style-type: none">• Swift• Objective-C• Java• Bash• C/C++• HTML5• CSS3• JavaScript	<ul style="list-style-type: none">• Xcode• Eclipse• Vim/Mvim/Gvim• IntelliJ• Firebase• Node.js• UNIX• Sublime• UI and UX Design• Angular.js	<ul style="list-style-type: none">• Binary trees/tries• Multiway-tries• Ternary tries• Hash Tables• Linked Lists• Graphs• Dijkstras, BFS, DFS• Design Principles• SCRUM

Projects **Tether** – Mobile Application
Swift, Objective-C, Xcode, Firebase, iBeacons, Apple Maps SDK

- Developed application to demonstrate creative new ideas for classroom teaching (more info on my LinkedIn profile: <http://linkedin.com/in/paulwall43>)

Triton Battles – Web Application
HTML5, CSS3, JavaScript, Mongo DB, OAuth2, Jasmine, Phantom.js, Karma, Node.js, Express.js

- Wrote JavaScript, HTML and CSS for core functionality
- Utilized DB API to fetch and retrieve info for the website
- Tested application extensively to ensure high quality using Karma and Jasmine

Go – Desktop Application
Java, Eclipse, log4j

- Engineered the Chinese board game, Go from scratch using Java and Eclipse
- Currently Developing basic AI

Calculator – Desktop Application
Java, C++, C, Vim

- Developed Calculator with multiple implementation methods:
 - Stack, Hash Table, Binary Tree, Linked List