

Paul Wallace



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Objective Learn, engineer and gain experience in front-end development and design.

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

- **Engineered, designed and presented** with one other colleague an innovative mobile prototype classroom application
- Used: *Swift | Objective-C | Xcode | Firebase | iBeacons | Strategy and Singleton Pattern*
- **Developed** the back-end, **front-end**, database design, application architecture, **UI and UX** with lead mobile architect, QA tester and Designer at Education First
- Utilized **Apple maps SDK** and the **Firebase API** for innovative live updating features

Education **University of California San Diego – B.S Computer Science** September 2013 – Current

Provost Honors – UCSD

Highest Honors – Castro Valley High School

Skills **My box of skills**

Languages	Tools/Libs/Misc	Computer Science	Personality
<ul style="list-style-type: none">• Swift• Objective-C• Java• Bash• C/C++• HTML5• CSS3• JavaScript• Chinese	<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	<ul style="list-style-type: none">• Hard-working• Dedicated• Punctual• Analytical• Motivated• Dedicated• Quick Learning• Improving

Projects **www.prwallace.com** – Website

HTML5, CSS3, JavaScript

- **Launched** a personal website to develop my skills in *design, HTML, CSS and JavaScript*.

Tether – Mobile Application

Swift, Objective-C, Xcode, Firebase, iBeacons, Apple Maps SDK, JSON

- **Created** mobile application **from scratch** and **demonstrated** creative new ideas for classroom teaching (more info on my LinkedIn profile: <http://linkedin.com/in/paulwall43>)
- Developed **reactively programmed** system for all application modules

Triton Battles – Web Application

HTML5, CSS3, JavaScript, Mongo DB, OAuth2, Jasmine, Phantom.js, Karma, Node.js, Express.js

- **Engineered** core functionality using *HTML, CSS and JavaScript*
- Utilized DB API to fetch and retrieve info for the website
- **Extensively tested** the application 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