

# 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 and **UI and UX** all with lead mobile architect, QA tester and a 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"><li>• <b>Swift</b></li><li>• <b>Objective-C</b></li><li>• <b>Java</b></li><li>• Bash</li><li>• C/C++</li><li>• <b>HTML5</b></li><li>• <b>CSS3</b></li><li>• <b>JavaScript</b></li><li>• Chinese</li></ul>	<ul style="list-style-type: none"><li>• <b>Xcode</b></li><li>• Eclipse</li><li>• Vim/Mvim/Gvim</li><li>• <b>WordPress</b></li><li>• <b>Firebase</b></li><li>• Node.js</li><li>• <b>UNIX</b></li><li>• Sublime</li><li>• <b>UI and UX Design</b></li></ul>	<ul style="list-style-type: none"><li>• Binary trees/tries</li><li>• Multiway-tries</li><li>• Ternary tries</li><li>• Hash Tables</li><li>• Linked Lists</li><li>• <b>Graphs</b></li><li>• <b>Dijkstras, BFS, DFS</b></li><li>• <b>Design Principles</b></li><li>• <b>SCRUM</b></li></ul>	<ul style="list-style-type: none"><li>• <b>Hard-working</b></li><li>• <b>Dedicated</b></li><li>• <b>Punctual</b></li><li>• <b>Analytical</b></li><li>• <b>Motivated</b></li><li>• <b>Dedicated</b></li><li>• <b>Quick Learning</b></li><li>• <b>Improving</b></li></ul>

**Projects** **[www.prwallace.com](http://www.prwallace.com)** – Website

*HTML5, CSS3, JavaScript*

- **Launched** a personal website to develop 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 custom database API to fetch and retrieve info for the website
- **Extensively tested** the application to ensure high quality using *Karma and Jasmine*
- Redesigned the homepage of the website (picture on my website)

**Beta Theta Pi Website** – Website

*WordPress, CSS3, HTML, JavaScript*

- **Launched, Designed and implemented** a fully functional and modern website
- **Created** and **currently creating** extra features to be released in future website updates