

# Paul Wallace

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## Education

**University of California San Diego**

**September 2013 – June 2017**

- ❖ Major: B.S. Computer Science
- ❖ GPA: 3.4

## Experience

**iOS Software Engineering Intern – Macy's**

**June 2016 – Current**

- ❖ Planned, researched, prototyped executed and presented a new widget for the Macy's and Bloomingdale's applications, to be included in next release
- ❖ Created embedded frameworks within application to allow for code sharing (DRY) between different binaries
- ❖ Designed multiple simple yet effective and functional widgets (only one to be released)

**iOS Software Engineering Intern – Education First**

**June 2015 – August 2015**

- ❖ Designed and engineered reactively programmed classroom application from scratch.
- ❖ Utilized Swift and Objective-C to create a modern app with the stability of Objective-C.
- ❖ Researched and utilized Firebase as a backend for quick development and great speed.
- ❖ Worked with UI and UX designers to create a fluid and dynamic application.
- ❖ Took advantage of the Apple Maps SDK for convenient and innovative location features.
- ❖ Improved classroom communication and privacy through the use of iBeacons.
- ❖ Effectively communicated with English limited diverse team to quickly develop large app.

## Projects

**Foodar - iOS**

**<http://prwallace.com>**

- ❖ Developed idea for finding and selecting nearby restaurants and configured application architecture for efficient API calls and subsequent manipulation of return data. Code available upon request\*.
- ❖ Integrated system modules effectively in order to improve user experience.
- ❖ Implemented core filter functionality related to location finding and restaurant finding based on user input.

**Open Source Voting – iOS**

**<https://github.com/PaulWall43/OpenSourceVoting>**

- ❖ Engineered an open-source voting module for iOS developers to use for free.
- ❖ Utilizes Firebase (noSQL MBaaS) for fast, reactive updates, easy customization and great scalability

## Skills

### Languages

- ❖ Java
- ❖ Swift
- ❖ Objective-C
- ❖ SQL
- ❖ Ocaml
- ❖ Python
- ❖ HTML5/CSS3
- ❖ JavaScript

### Tools/Libs/Misc

- ❖ UNIX
- ❖ Git/GitHub
- ❖ Xcode
- ❖ Firebase
- ❖ Sublime/Vim
- ❖ Tomcat
- ❖ Eclipse
- ❖ Postgres

### Coursework (\*ongoing)

- ❖ Advanced Data Structures
- ❖ Server Side Applications\*
- ❖ Computer Organization and Systems
- ❖ Discrete Mathematics
- ❖ Intro to Artificial Intelligence
- ❖ Design and Analysis of Algorithms
- ❖ Software Engineering
- ❖ Programming Paradigms\*

## Leadership

**Vice President of Communications – Beta Theta Pi**

**<https://ucsdbeta.com>**