

Paul Wallace

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EDUCATION

UC San Diego

September 2013 – Current

Computer Science B.S.

3.4 GPA

EXPERIENCE

Premier Debate – Freelance iOS Developer

August 2016 – Current

Swift, Objective-C, Firebase, Django, Python

- Implemented stable scheduling system that allows for users to upload their personal tutoring schedule, have students create appointments in isolation and view their schedule
- Built robust sign up and survey system, customizable through remote configuration
- Created smooth payment system by utilizing Stripe connect with a Django server, Firebase database (noSQL) and Alamofire networking library to allow for secure user to user payment
- Constructed remotely configurable algorithm that matches a student to any available tutor by measuring key similarities and differences of the student and tutor profiles in $O(n)$ time

Macy's, San Francisco – iOS Developer Intern

June 2016 – August 2016

Swift, Objective-C, Jenkins

- As lean lab manager of 7 technical and 2 business interns created prototype of virtual makeup platform for the Macy's app, resulting in a 50% decrease clicks for similar flows
- Integrated vendor provided Augmented Reality virtual makeup solution with Macy's iOS app
- Reduced navigation time to Macys and Bloomingdales apps by 30% with iOS today widget

Education First, Shanghai – Software Engineering Intern

June 2015 – August 2015

Swift, Objective-C, Firebase, iBeacons

- Served as lead software engineer, product manager, quality engineer, quality assurance, UX designer and UI designer for in-classroom application, that connected students and teachers
- Used Firebase to implement asynchronous features such as voting, chat room (messaging) and remote teacher control that work for 1000+ member audiences
- Ensured class security by using iBeacons (location) to determine safe information transfer

SKILLS

- Proficient Languages: Swift, Java
- Other Languages: Python, Ocaml, SQL, Objective-C, JavaScript, Scala, HTML/CSS
- Tools: Django, Node.js, Xcode, Firebase, Unix, Git, Postgre, Tomcat