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 scheduling system that supports schedule upload and viewing by users (CRUD), wrote all database transaction logic to adhere to the principles of ACID and dealt with scheduling appointments across any time zone by using the Apple SDK for dates
- 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 prototype application
- Used Firebase to implement complete API that supported asynchronous features such as voting, a chat room 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, Postgres, Tomcat