

# Paul Wallace

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## Experience

### **iOS Engineer | Macys | July 2017 - Present**

- Built augmented reality make up experience by leveraging a third-party AR SDK
- Integrated augmented reality experience for furniture shopping in the Macy's app
- Built multimedia browsing feature for creative content using MVC architecture
- Wrote wrapper around open source AVPlayer video library allowing for dynamic display of Macy's products in an overlay of the video
- Built internal iOS app to benchmark open source image caching libraries
- Refactored legacy service and UI classes into flexible CocoaPod modules

### **iOS Engineer Intern | Macys | June 2016 - August 2016**

- Built and documented iOS 9 today widget for Macy's and Bloomingdale's that was used as a template for the current widget in production today
- Served as project manager and engineer/teacher for a team of seven interns to create a virtual make up try-on iOS application

### **iOS Freelancer | August 2016 - February 2017**

- Created debate tutoring app that matched students with teachers based on key metrics such as preferred types of debate, experience and availability
- Utilized Firebase to support authentication, push notifications and data persistence
- Ported existing iOS app database from Parse to Firebase

### **iOS Engineer Intern | Education First | August 2016 - February 2017**

- Built real time classroom iOS application by utilizing Firebase and iBeacons
- Worked on feature allowing for dynamic creation and administration of quizzes
- Built control module to give teachers override access of student apps
- Built attendance tracking feature by checking for nearby student's devices through Bluetooth signals and iBeacons.

## Education

**B.S. Computer Science | June 2017 | UC San Diego**