PAUL WALLACE

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EXPERIENCE

iOS ENGINEER • MACYS • JULY 2017 – CURRENT
- Built augmented reality make up experience by leveraging 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 that allows 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 Cocoa pod 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
- Create 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 automatic attendance tracking feature by checking for nearby students devices through Bluetooth signals and iBeacons.

EDUCATION

B.S. COMPUTER SCIENCE • UC SAN DIEGO • JUNE 2017
- GPA: 3.32

PROJECTS

BM HEALTH – iOS APP (SWIFT)
- Built and released health app that allows users to create and save event logs
- Used NSKeyedArchiver to save logs in documents directory of app sandbox
- Built automatically generating graphs based on logs using the Charts OSS library
- Implemented opt-in location tracking feature for logs built on top of Core Location