Paul Wallace

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# Experience

## iOS Engineer | Macys | July 2017 – Present

* Reduced shopping cart load times by 50% and improved user experience by optimizing network call structure and rendering flow
* Re-engineered the shopping cart to remove tight coupling and improve testability
* Served as main engineer for augmented reality furniture and make-up in the Macys app
* Built multi-media browsing feature from scratch to test user interest in creative media
* Helped redesign Macys app architecture to remove tech debt and improve app health
* Built internal library to route between features without tight coupling
* Built internal iOS app to benchmark open source image caching libraries
* Refactored legacy auto-complete service into flexible Cocoapod service layer module

## 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