

PAUL WALLACE

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EXPERIENCE

IOS ENGINEER • MACYS • JULY 2017 – CURRENT

- Integrated augmented reality experience for furniture shopping in the Macy's app
- Built content browsing feature from scratch using the MVC architectural pattern
- Wrote wrapper around BMPlayer, an open source AVPlayer based video library to allow for browsing of relevant Macy's products during full screen video playback
- Submitted changes to open source video library to fix defects and improve design
- Refactored legacy autocomplete service class into a service layer Cocoapod
- Refactored legacy UI code into an internal library to stay DRY and enable faster UI development for future features
- Built internal iOS app to benchmark open source image caching libraries
- Built custom ARKit augmented reality POC, used to benchmark third-party SDK's
- Performed stability and performance profiling of third-party SDK's using Xcode and Instruments to ensure low performance overhead and low crash rates
- Handled security stories and tasks as the security champion for the iOS team
- Conducted technical interviews for iOS engineering positions

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

- Built debate tutoring app featuring authentication, user profiles, user matching based on preferences, appointment scheduling, rating system, local notifications and push notifications
- Ported existing iOS app database from Parse to Firebase

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