# PAUL WALLACE

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## EXPERIENCE

### iOS ENGINEER • MACYS • JULY 2017 – CURRENT
- Released new AR furniture experience in the Macys's app. In iterations of development and testing performed performance analysis and helped reduce AR SDK CPU usage over time. Also built a custom wrapper class to encapsulate the SDK.
- Released a new content browsing feature in the Macy's app that includes complex scrolling, video viewing, flexible image display and custom product browsing functionality. Also worked with designers to help create the new UI and UX.
- Built video UI on top of open source AV player video library. Created pull request on library (BMPlayer) to remove unnecessary dependencies and improve design.
- Built a benchmark augmented reality app using ARKit that features plane detection, furniture/object placement, object translation and rotation through touch gestures.
- Built internal iOS app to benchmark various open source image caching libraries.
- Refactored legacy autocomplete service class into a service layer Cocoapod.
- Refactored legacy UI code into an internal library to maintain DRY principle and enable faster UI development for any related stories.
- Serve as security champion for the iOS team by handling security stories and tasks.

### 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 iOS 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 that included 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 • JUNE 2017 • UC SAN DIEGO
- GPA: 3.32

## PROJECTS

### BM HEALTH – iOS APP (SWIFT)
- Built and released health app that allows users to create and save BM logs.
- Users can view analysis of each log to see health tips and info. Graphs and statistics are automatically generated to help provide insight into the user's health. Core Location is used to save location of each log (assuming permission is given).