

# Ray Kim

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## EDUCATION

### Harvard University Class of 2016 – Cambridge, MA

Bachelor of Arts in Computer Science, Secondary Field in Psychology

## WORK EXPERIENCE

### Capital One Investing – Seattle, WA

iOS Engineer – July 2017 to Present

- Published [JavaScript Manipulation on iOS Using WebKit](#) on Capital One's public engineering blog
- Built core features (e.g., graph visualizations of Monte Carlo simulations) in MVVM and Uber's RIB framework (akin to VIPER) focusing on separation of concerns, protocol-oriented programming principles, and comprehensive unit/UI testing for all classes using XCTest and fastlane
- Created Jenkins CI/CD pipeline and GitHub webhooks for automatic unit testing on pull requests
- Presented tech talks on full-stack Swift development using Vapor & vertical plane detection in ARKit

### Capital One – San Francisco, CA

iOS Engineer – June 2016 to June 2017

- Built core features (e.g., scheduling money transfers, filtering credit card transactions) using Core Data for persistence and container view controllers for complex, flexible UI flows
- Built analytics layer with MixPanel, push notifications system using Firebase Cloud Messaging
- Worked closely with design and product to optimize fonts and layouts for all device sizes
- Reduced development time by auto-generating network calls and Swift models from OpenAPI spec using Swagger Codegen
- Contributed to CI/CD pipeline using fastlane snapshots to automate UI testing and TestFlight/HockeyApp for beta testing

### Wearhaus Inc. – Berkeley, CA

Software Engineer Intern – Summer 2015, Summer 2014

- Built first iOS app featuring in-app chat via Firebase SDK and Facebook login integration
- Built and documented internal API to be consumed by both iOS and Android apps to interface with MongoDB
- Built responsive Wearhaus site using Flask and Bootstrap; deployed via Heroku
- Redesigned e-commerce site using Shopify's Liquid templating language and Timber web framework

## PROJECTS

### [Daydream](#) (2018)

- Released an app to explore cities using Google's Maps, Autocomplete, and Places APIs and Yelp's API
- Built with fastlane for automated app submission and device snapshots, Firebase Analytics and Crashlytics for tracking user flows and crash reporting

## SKILLS

- Languages: Swift, Python, Objective-C, JavaScript, HTML/CSS
- Frameworks/Other: Xcode, Git, CocoaPods, fastlane, Sketch, Alamofire, Swagger Codegen, Firebase, TestFlight, HockeyApp, Jenkins, OHHTTPStubs, Realm, MixPanel, Flask, Bootstrap, Heroku