

# Harold Davis

Senior Software Engineer, iOS

## PROFILE

I have 8 Years of iOS Experience. My goal is to help build and maintain Apple OS Software and Applications, and make the world more fun and accessible.

## EXPERIENCE

### Senior Software Engineer, iOS

#### DroneDeploy Inc. — Oct 2021 - Present

Description: Architecture, BDD, TDD, Nimble & Quick, Swift, Python, geofencing, core location, INS 360 Camera, Tech Lead

- Notify user when they are leaving geofence during reality capturing walkthrough
- Core location for capturing coordinates from start and end location, and help with calculating bounds
- Dealing with map Orthographic and overlays map box
- I use Xcode, SwiftUI, UIKit, Bash, JSON, GraphQL, and Python for this position
- Custom Architecture based off Viper, Then another app with DDD (Domain-Driven-Development)
- I used Nimble and Quick dependencies to help with TDD (Test Driven Development)
- Planned architecture and built the walkthrough 1.0 app from scratch
- Worked on the connection to 360 cameras
- Worked on chunked uploads for partial uploads assisting with low signal uploads for user on construction site
- Worked on an iOS SDK to connect to Rocos platform for remote control over robots like the Boston Dynamic's spot
- I also Work on a python Backend Bridge to funnel and personalize our api calls for the iOS client app
- Tech Lead (we take turns in this role) Creating Jira Tickets for milestones

Tempe, AZ United States 602-585-5153

[harold\\_davis@icloud.com](mailto:harold_davis@icloud.com) [www.haroldleedavis.info](http://www.haroldleedavis.info)

## **Software Engineer, iOS, iBotta Inc. — Nov 2020 - Oct 2021**

**Description:** Tech Lead, Swift, Objective-C, JSON, UIKit, Receipt Scanning, ML, TDD, Viper

- I use Xcode, Swift, Objective-C, UIKit, JSON, XCTest for this position
- VisionKit for Recipe scanning
- TDD (Test driven development) with XCTest
- Viper Architecture
- Tech Lead. Creating Jira Tickets for milestones
- Wrote Documentation

## **Solutions Engineer, iOS, FullStory Inc. — Feb 2020 - Oct 2020**

**Description:** iOS Prototyping, support engineer help, JavaScript Documentation Updates, iOS API Framework

- I use Xcode, Swift, Objective-C, UIKit, Core Animation, Rust
- Worked on CALayer iteration
- Worked with a little bit of Rust Swizzling
- I was a Developer Advocate, and presented custom integration solutions to companies for using our framework
- I worked in React to build and maintain Online API Docs for iOS Framework usage
- Created Video content for internal and external use
- Developed Articles on product integration

## **Software Engineer, iOS, Apple Inc. — Jan 2018 - Jan 2020**

**Description:** iOS, macOS, and tvOS, Device Management, ScreenTime, Objective-C, Swift, Javascript, Build & Release, Bug Screening.

- Bug Screening and triage
- Debugging with Stack traces and Symbolic breakpoints into other apps/processes within the OS
- I use Xcode, Swift, Objective-C, JavaScript, Operating Systems
- Worked on ScreenTime, and Apple Device Management
- Worked on code changes for iOS, macOS, HomePodOS, watchOS, and tvOS
- Build and Release Engineering
- Liaison Engineer Between QA/Design and Our Software Engineering Team

## **Bootcamp Instructor, iOS — 2017 8 Months - Part-Time**

**Description:** Instructor of my own class, for iOS UIKit.

- I use Xcode, Swift, UIKit, JSON
- Taught 2 boot camps
- 50% of students started their iOS Career
- I broke down major topics by language and then App Development with MVC
- I wrote my own curriculum

## **Software Engineer, iOS, U-Haul Inc., Phoenix, AZ — 2017-2018**

**Description:** Swift, Objective-C, JSON work on Enterprise Applications.

- I use Xcode, Swift, Objective-C, UIKit, JSON, Postman
- I developed and shipped 4 internal Enterprise Applications and work on the Consumer facing E-commerce U-haul app
- I did all of the UX/UI design and feedback loop for the internal employee apps
- Worked with all device sizes to make the app adaptable
- Introduced accessibility features for hard of hearing employees

## **EDUCATION**

ITT Technical Institute Information Systems A.S. Graduated 2011

Team Treehouse iOS Developer Nano Degree 2016

## **SKILLS**

Swift, SwiftUI, UIKit, Objective-C, bash, git, TDD, SpecFlow, MVC, MVVM, Viper, DDD