

# Colton Lemmon

Swift | Objective-C | UIKit | Core Data | Core Bluetooth | CloudKit | SceneKit | FileManager  
RESTful API | CocoaPods | Carthage | Subversion | Git + Github

## Experience

### **AMERICAN CONSERVATION EXPERIENCE** - MAY 2018 - CURRENT

iOS Developer

- Updated and maintained existing Objective-C app (WildSNAP) <http://wildsnap.org>
- Automated the updating of locally stored plists/documents by communicating with AWS S3 server via URLSession and writing them to the file system using FileManager.
- Created custom UIScrollView to display multiple UIViewControllers creating and updating reports in order to help the transition from iPad to universal deployment.
- Fixed constraints, size classes, and UI code app wide for the universal deployment transition.

### **VERISTRIDE** - JUNE 2017 - APRIL 2018

iOS Developer

- Developed native iOS apps that connected to custom BLE hardware to help physical therapists in measuring and tracking walking data with patients.
- Streamed and saved data simultaneously from two in-house BLE devices at a rate of 2000 bytes/sec each.
- Communicated with local API via URLSession for login.
- Created custom internal iOS framework utilized by all iOS apps, which included support for BLE and Networking.
- Persisted data from hardware so it could be verified before saving the data to the server.
- Wrote custom verification to insure data accuracy.
- Used SVN for version control and collaboration.

## Projects

### **SHOT TRACKER** - NATIVE IOS APP - EASILY FOLLOW YOUR RECOMMENDED INJECTION SCHEDULE

- Used SceneKit to display, animate, and manipulate a 3D mesh.
- Created transitions based on which part of the 3D mesh was selected and display more detailed representation of the mesh.
- Persisted data using Core Data.

### **WORKOUT LOG** - NATIVE IOS APP - TRACK WORKOUTS TO GET THE MOST OUT OF YOUR GYM TIME

- Created Core Data model to model data relationships between workout routines, days, exercises and sets.
- Dynamically persisted data as the user entered in fields.
- Worked with AVFoundation to implement Camera and Photo Library functionality.
- Designed minimalistic UI with features like haptic feedback.
- Created custom TabBarController to give a more customized feel.

## Education

### **DEVMOUNTAIN** - FULL TIME IMMERSIVE IOS PROGRAMMING BOOTCAMP

An immersive 12-week Boot Camp that focuses on teaching iOS Development through a project based curriculum.