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Colton Lemmon

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

Experience

AMERICAN CONSERVATION EXPERIENCE - MAY 2018 - CURRENT
iOS Developer Intern
- Updated and maintained existing Objective-C app (WildSNAP) http://wildsnap.org
- Communicated with AWS S3 server via URLSession to automatically update locally stored plists using FileManager.
- Created custom UIScrollView to display multiple UIViewControllers creating and updating reports.
- Transitioned from iPad only to universal app.

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
- Persisted data locally using Core Data.
- 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.