
EXPERIENCE

Senior Mobile Developer — *AgEagle Aerial Systems Inc., Austin, TX* 10/2020 - Present

- Leads and manages the complete, end-to-end app lifecycle for Measure Ground Control iOS drone app and contributes to eBee Vision drone Android app
- Enhanced user experience by implementing stability improvements to the iOS app resulting in a 15% decrease in fatal crashes
- Strong knowledge in both legacy UIKit and modern SwiftUI and MVVM layout paradigms with a focus on reusability and maintainability
- Developed OAuth2 user authorization, emphasizing security best practices such as Proof Key for Code Exchange (PKCE) to bolster protection against attacks
- Improved performance of resource-intensive elevation algorithm 88% by implementing iOS Grand Central Dispatch API best practices
- Develops iOS and Android applications with a strong foundation in coding fundamentals, emphasizing adherence to clean coding and SOLID principles
- Quickly adapted and self-started in Android development, gaining proficiency in new skills within months to contribute to full-fledged feature implementations
- Conducts comprehensive code reviews to ensure code quality, adherence to coding standards, and optimal performance, providing constructive feedback to team members
- Synchronizes with multiple developers in different time zones, demonstrating effective teamwork and communication skills in Agile environment
- Leverages Apple's Human Interface Guidelines and Android's Material Design principles for creating visually appealing and user-friendly interfaces

iOS Developer — *Airmap, Inc., Austin, TX* 01/2019 - 10/2020

- Collaborated on a cross-functional team to build an autonomous drone flight application tailored for the largest cell tower companies in the U.S.
- Partnered with Flight QA to optimize the photo overlap algorithm, delivering industry-leading scaled 3D photogrammetric models
- Engaged closely with product and web platform development teams to ensure seamless integration and optimal user experience

iOS Developer — *Self, Austin, TX* 03/2015 - Present

SKILLS & COMPETENCIES

iOS: Swift programming language, Objective-C (familiar), iOS SDK, SwiftUI, Combine, UIKit, Core Location, Image Capture Core, Core Animation, Core Graphics, Grand Central Dispatch (GCD), Multithreading, Performance optimization, AWS, Firebase, Crashlytics, Google Analytics, Realm, Turf, Alamofire, SwiftyJSON, SnapKit, Glossy, Google Promises, Google Maps iOS SDK, Mapbox iOS SDK, GZIP, DJI SDK, Code signing & provisioning, App Store deployment & distribution, Test Flight, Cocoa Pods, Swift Package Manager

Android: Kotlin programming language, Java (familiar), Jetpack Compose, Kotlin Flows, Hilt Dependency Injection, Coroutines, Room, SQLite databases, Android Studio, Material Design, Ktor, Gradle

Common: Git, Jira, Fastlane, CI/CD, Gitlab, Postman, Sentry, MVC, MVVM, OAuth2 integration, SOLID, RESTful API services, JSON, GeoJSON, XML

EDUCATION

University of Central Florida, Orlando, FL - Bachelor of Science
Minor: Mathematics