

# Toph Matta

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## EXPERIENCE

### **AgEagle Aerial Systems Inc.,** Austin, TX — *Mobile Developer*

October 2020 - PRESENT

- Manages the complete app lifecycle – conception, design, development, deployment, testing, App Store release, and ongoing support
- Built pioneering industry feature utilizing the GPU processing pipeline to validate raw image data for blur and overexposure. Resulted in improved photogrammetric model quality and reduced customer time in-field
- Improved the processing time on calculating a dynamic elevation drone flight plans by 88% via use of Grand Central Dispatch API
- Enhanced user experience by implementing stability improvements to the iOS app leading to a 15% decrease in fatal crashes
- Optimizes and tunes performance of a highly resource intensive autonomous drone flight app across a wide array of new and legacy devices
- Monitors trending issues and fixes them before they become fires
- Collaboration with cross-functional teams – designers, product managers, android and back-end developers to translate requirements into technical solutions to meet project milestones
- Assesses user requirements and software needs to ascertain the practicality of design given limitations in time and budget
- Adopts and adapts to newly approved technologies, programming languages, tools, and standards
- Provides accurate and timely LOE estimates from bug fixes to features

### **Airmap, Inc.,** Austin, TX — *iOS Developer*

January 2019 - May 2020

- Worked on cross-functional iOS team to collaborate closely with product, front-end and back-end teams to develop impactful customer-facing solutions in Telecom and Construction industries, working with connected hardware (drones) and 3rd party SDKs/APIs
- Rapidly prototyped and developed customized autonomous drone flight solutions to Rakuten Mobile (Japan) allowing ability to catalog cell towers

### **Self,** Austin, TX — *Independent iOS Developer*

March 2015 - PRESENT

### **Sanmina Corp.,** Austin, TX — *Sr. Manufacturing Engineer*

July 2015 - December 2018

## EDUCATION

### **University of Central Florida,** Orlando, FL - Bachelor of Science

*Minor:* Mathematics

## SKILLS

Languages: Swift, Kotlin  
Objective-C, Ruby (familiar)

Tech: SwiftUI, Combine, UIKit, Metal/MetalKit, Core Location, Image Capture Core, Core Animation, iOS SDK, 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 (iOS and Android)

Architectures: MVC, MVVM, MVP

Deployment: Code signing, provisioning, App Store build distribution, Test Flight

Dev tools: Git, Jira, Fastlane, CI/CD, Gitlab, Postman

Networking: RESTful API services, JSON, GeoJSON

## CERTIFICATIONS

**FAA Part 107 - Commercial Drone Pilots License for Small Unmanned Aircraft Systems**

