

ALEXANDRU TURCANU

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EDUCATION

- Self Taught
- Make School
 - iOS Development Summer Academy, 2018
 - Applied BS in Computer Science (Aug 2020–May 2022 Expected)

SKILLS

Full Stack iOS

- SwiftUI, UIKit, SpriteKit
- CoreData
- AVFoundation
- CoreML
- Protocol Oriented Programming

Programming Languages

- Swift (Proficient)
- Python
- HTML/CSS
- Basic C++

Software

- Xcode
 - Git, SSH, GitKraken
 - Trello, Airtable, Notion
 - Sketch
 - Solidworks, OnShape
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PROFILE

Passionate developer with a desire to create best in class apps and obsessed about designing fluid interfaces and animations.

EXPERIENCE

Founder & Hardware Lead of Quantum Robotics — 2017-2020

A non-profit entity that was born out of a robotics high-school club.

- Led project development tasks while practicing Agile Sprints & SCRUM
- Introduced team-management tools: Trello, Airtable, GSuite
- Shared my deep passion & knowledge with new members
- Won over 17 awards over the course of 10 competitions worldwide

Remote iOS Software Engineer, IllumeHealth — 2018 (3 months)

Deep integration between HealthKit & WatchOS for tracking Sauna sessions.

- Developed Front-End of both iOS & WatchOS Apps
- Designed CoreData Model and implemented business logic

PROJECTS

Sole Developer, FTC Scorer — 2020

Dead simple app with OS level integrations for scoring robotics games.

- Created with SwiftUI and Catalyst, launched on iOS, iPadOS & macOS
- Integrated CoreData for saving scores and exporting data
- Helped more than 100 teams, and open sourced the project on GitHub

Sole Developer, Envision: Habit Tracker — 2018-2019

Innovative habit tracking app with a beautiful interface and delightful animations.

- Implemented fluid animations and custom screen transitions
- Integrated SpriteKit for simulating physics

AWARDS

Apple 2020 WWDC Swift Student Challenge Winner

- Created a memory game based on PencilKit drawings that integrates on device machine learning.

Apple 2018 WWDC Scholarship Recipient

- Developed a card memory game using UIKit, Core Animation, AVFoundation

HACKATHONS

- Nasa Space Apps 2018 - Global Nominee
- Hacking for Humanity - Overall 3rd Place
- Outside Hack 2018 - Finalist (Sponsor Winner)