

# ALEXANDRU TURCANU

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## EDUCATION (SELF TAUGHT)

Dominican University of California - Bachelor's in Applied Computer Science - May 2022

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## SKILLS

### Programming Languages

- Javascript/Typescript (Proficient)
- HTML/CSS (Proficient)
- Python (Familiar)
- Swift (Familiar)

### Frameworks

Next.js/React, Tailwind CSS, Radix UI, Supabase, PostgreSQL, NodeJS, GraphQL, Express, MDX, Redux, Github Actions

### Software

- VS Code, iTerm2, Fig
- Notion, Linear, Figma

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## GIVING BACK TO THE COMMUNITY

- Author of featured articles with over 10K reads ([A1](#), [A2](#), [A3](#))
- Open Source Contributor
- [Notion Advocate](#)
- Speaker at [WWDC Watch Party](#)
- [Scholars in the Spotlight](#) Podcast appearance
- Judge at XDHacks
- Mentor at TeenTechSF Civic Hackathon
- Speaker at Civic Code Hackathon

On a journey to create best in class apps, obsessed with designing fluid interfaces, and perfectionist at heart.

## EXPERIENCE

### [Onshape — Front End / UI Software Engineer Intern — 2021 \(3 mos\)](#)

Collaborated with UX, QA, stakeholders to deliver high quality features

- Engineered a graphical representation library from ground up in D3.js
- Deployed to production a brand new and modern Enterprise Settings
- Delivered new features using **Test Driven Development** in Protractor

### [BoringStocks — Project Lead & Designer — 2021 \(2 mos\)](#)

Minimalistic stock information website with a custom API service

- Led a team of 5 developers and designers in an **Agile** environment
- Organized weekly **retrospectives** for reviewing and planning sprints
- Estimated difficulty and duration of tasks using **poker point planning**
- Designed web interface by following UX best practices

## PERSONAL PROJECTS

### [TailwindCSS Snippets — Next.js, Tailwind, Radix — 2022 — Launched!](#)

- **100s of MAUs**, 86 GitHub stars
- Built custom context menu with keyboard shortcuts and typeahead
- Crafted collection of animation snippets made for Tailwind CSS

### [Fishcake — React, Supabase, Twilio, Tailwind — 2021 \(2 mos\) — Launched!](#)

- Architected **monolithic repository** with multiple projects, shared dependencies, CI/CD pipeline and status page
- Conducted user testing with 10+ **industry partners**, designed and iterated features based on users' needs

### [MS Archives — Next.js, Docusaurus, Tailwind — 2021 \(2 mos\) — Launched!](#)

- Conservatory of [Make School](#) used by over **5K people**, including current students, instructors and alumni
- Archived, rendered and hosted over 50 courses and tutorials
- Implemented custom **code sorcery** using bash scripts

## AWARDS

### [Apple 2020 WWDC Swift Student Challenge Winner](#)

- Created a memory game based on PencilKit drawings that integrates on-device machine learning and sound effects using AVFoundation

### [Apple 2018 WWDC Scholarship Recipient](#)

- Developed an elegant and realistic card memory game

## HACKATHONS

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

## PAST EXPERIENCES

### Quantum Robotics — Founder & Hardware Lead — 2017-2020 (3 yrs)

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

- Led project development tasks while practicing Waterfall management
- Introduced team-management tools: Trello, Airtable, GSuite
- Achieved 2nd place by score at the World Championship Detroit 2019
- Won over 17 awards over the course of 10 competitions worldwide
- Shared my deep passion & knowledge with over 60 members

### IllumeHealth — Remote iOS Engineer — 2018 (2 mos)

Deep integration between HealthKit & WatchOS for tracking Sauna sessions

- Collaboration with product manager and designer to ensure optimal UI & UX
- Developed Front-End of both iOS & WatchOS Apps
- Designed CoreData Model and implemented business logic

## PAST PROJECTS

### Teamo — React, Redux, Firebase, MaterialUI — 2021 (2 mos) — *Launched!*

Network for gamers to find meaningful teammates

- Crafted a design system and high fidelity mockups in Figma
- Engineered custom styled components by theming Material-UI
- Hooked up business logic between React and Firebase using Redux

### FTC Scorer — SwiftUI, Catalyst, CoreData — 2020 (3 mos) — *Launched!*

Dead simple app with OS level integrations for scoring robotics games

- Used by more than 100 robotics teams, and open sourced on GitHub
- Integrated CoreData for saving scores and exporting data

### Envision: Habit Tracker — UIKit, SpriteKit— 2019 (1 yrs) — *Launched!*

Innovative habit tracker with a beautiful interface and delightful animations

- Innovative habit tracker that improved the life-style of over 5K people
- Implemented fluid animations and custom screen transitions
- Integrated SpriteKit for simulating physics