

TREVOR PILTCH

MONTREAL, QC | TREVOR@PILTCH.COM | [TREVORPILTCH.COM](https://trevorpiltch.com) | [LINKEDIN.COM/IN/TREVORPILTCH](https://www.linkedin.com/in/trevorpiltch)

EDUCATION

McGill University - 3.9/4.0 GPA

BEng. Software Engineering Co-Op

BSc. Minor in Physics

September 2023 - May 2027

Phillips Exeter Academy - 3.9/4.0 GPA

September 2020 - June 2023

TECHNICAL SKILLS

Languages: Swift, Java, C/C++, Python, HTML/CSS, Ruby, Go, Kotlin

Frameworks: SwiftUI, STM32HAL, CppUTest, Hugo, JetPack Compose

Tools: Git, Xcode, Android Studio, VSCode, STM32CubeIDE, Vim, Latex

Certifications: Amateur radio license

<https://github.com/trevorpiltch>

EXPERIENCE

McGill Rocket Team Flight Computer Software Lead

May 2024 - Present

- Lead mission critical C/C++ embedded systems development for the student designed flight computer
- Converted from sequential to concurrent architecture for one of the flight computers using FreeRTOS to protect against software bugs and add redundancy to the avionics system
- Wrote over 250 unit tests for the radio parsing module using CppUTest to verify correct behavior when receiving radio commands from the ground station
- Manage a team of nine members, including recruitment, task assignments, and project planning

<https://www.mcgillrocketteam.com/>

AlwaysArt Mobile Developer

August 2023 - Present

- Designed and developed an iOS app using Swift and an Android app using Kotlin to enable artists, galleries, and collectors to view artworks, join specific galleries, and request new pieces of artwork
- Oversaw the deployment of the native apps at the Zonamaco art fair in Mexico City handling over 20,000 artworks, hundreds of galleries, and 81,000 attendees
- Incorporated system features such as widgets, deep linking, and offline storage to improve user experience

<https://alwaysart.com/>

Wheels Founder and Lead Developer

February 2022 - Present

- Designed and released Wheels, a Swift/SwiftUI-based skateboard ride tracking app, and an associated website built using the Hugo site generator to showcase the app
- Features realtime GPS location, speed, and distance statistics along with persistent storage, widgets, live activities, and Siri Shortcuts to enhance skateboard riding experience
- Over 500 downloads and 4.8/5.0 stars on the app store

<https://wheels.trevorpiltch.com/>

PROJECTS

Personal Website

September 2024

- Designed and developed a personal portfolio website using the Hugo static site generator with a sub 60ms build time and Bootstrap 5 for theming
- Added 5 Hugo content templates using the Markdown language for rapid deployment of new entries and consistent design language

<https://trevorpiltch.com>