

TREVOR PILTCH

trevorpiltch.com

trevor@piltch.com

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

EXPERIENCE

McGill Rocket Team Flight Computer Software Lead

May 2024 - Present

- Lead mission critical embedded systems for the student designed flight computer
- Architect and develop low-level C/C++ code to improve execution speed from 5hz to 20hz to allow fast CAN, I2C, and radio communications
- Add unit testing for over 20,000 lines of code, and implemented dev-ops techniques such as linting, style formatting, and static code analysis
- Manage a team of nine members, including recruitment, task assignments, and project planning

<https://github.com/McGillRocketTeam>

Wheels Founder and Lead Developer

June 2022 - Present

- Architected and launched Wheels, a Swift/SwiftUI-based skateboard ride tracking app
- Features realtime GPS metrics, persistent storage, widgets, live activities, and Siri Shortcuts
- Over 500 downloads and 5.0/5 stars on the app store

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

Always Art Junior Developer

June 2022 - Present

- Developed an internal iOS app using Swift/SwiftUI
- Increase inventory management efficiency from a few hundred to over 26,000 artwork items
- Agile workflows in a small environment of four developers.

<https://alwaysart.com/>

Unit Leader - Center Day Camp

July 2023 - August 2024, Windham, ME

- Led a team of three counselors overseeing a group of 5-6 year old campers
- Managed daily activities, resolved conflicts among campers and staff, and handled emergency situations efficiently
- Developed strategies to boost camper engagement and maintained clear communication with parents and camp administration

<https://www.centerdaycamp.org/>

TECHNICAL SKILLS

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

Frameworks: SwiftUI, Rails, STM32HAL, CppUTest

Tools: Git, Xcode, VSCode, STM32CubeIDE, Vim

Certifications: Amateur radio license

CONTACT

GitHub: [trevorpiltch](https://github.com/trevorpiltch)

LinkedIn: [trevorpiltch](https://www.linkedin.com/in/trevorpiltch)

AWARDS

2021, 2022, 2023 Phillips Exeter Academy Highest Honors

2021, 2022, 2023 Maurice R. Scharff Prize in Advanced Mathematics