TREVOR PILTCH

trevorpiltch.com
trevor@piltch.com

TECHNICAL SKILLS

Languages: Swift, Java, C/C++, Python, Ruby

Frameworks: SwiftUI, Rails, STM32HAL, CppUTest

Tools: Git, Xcode, VSCode, STM32CubeIDE, Vim

Certifications: Amateur radio license

AWARDS

2021, 2022, 2023 Phillips Exeter Academy High Honors

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

CONTACT

GitHub: trevorpiltch

LinkedIn: trevorpiltch

As a software engineering (co-op) student at McGill University, I have developed strong coding skills across mobile app and embedded systems. My hands-on experience in these areas has fueled my passion for creating efficient, scalable, and user-focused solutions. I am particularly interested in further exploring low level software systems, leveraging my technical expertise and curiosity. I possess strong interpersonal skills and thrive in collaborative environments and am able to work as a self-motivated contributor.

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 devops techniques such as linting, style formatting, and static code analysis. Manage a team of nine members, including recruitment, task assignments, and project planning.

Wheels Founder and Lead Developer   June 2022 - Present

Architected and launched Wheels, a Swift/SwiftUI-based skateboard ride tracking app, featuring realtime GPS metrics, ride history, widgets and deep iOS integration to enhance the skateboard riding experience and learn more about app development. Over 500 downloads and 4.7/5 stars on the app store.

https://wheels.trevorpiltch.com/

Always Art Junior Developer   June 2022 - Present

Developed an internal iOS app using Swift/SwiftUI to 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, Westbrook, ME

Led a team of counselors overseeing a group of 4-6 year old campers, demonstrating strong leadership and interpersonal skills. 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.

EDUCATION

McGill University - 3.9 GPA   September 2023 - May 2027

BEng. Software Engineering Co-Op

Phillips Exeter Academy - 3.9 GPA   September 2020 - June 2023