

Jeremy Poulin

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Skills

Languages: Java, C/C++, JavaScript, Python, GDScript, TypeScript, HTML/CSS, MySQL
Developer Tools: React, Git, JUCE, JFrame, VS Code, Eclipse, Godot, STM32CubeIDE, cmath
Soft Skills: Group work, Team leadership, Client relations, Communication

Projects

- Portfolio Website** | *React, JavaScript, TypeScript, HTML/CSS*, Jan 2025
- Strengthened previous JavaScript knowledge by building an **SPA** (Single Page Application) from the ground up.
 - Researched and implemented various libraries to accelerate the project timeline
 - Used CSS to style components and create a clean interface
- Library Noise Monitor** | *Microcontroller, Git, Group Work, Design Demonstration* Sep 2024 – Nov 2024
- Researched the negative effects of excessive noise in libraries and developed an autonomous solution
 - Configured an STM32 to monitor mic input within **5dB** of precision and output warning LEDs at high noise levels
 - Documented the design process with Git and gave a brief presentation on the device's design and functionality
- FPV Drone Design/Build** | *Soldering, Multimeter, Project Management, Cost Efficiency* Mar 2021 – Dec 2023
- Soldered battery leads and other hardwired connections between PCBs
 - Ensured the device met government weight/registration regulations, while legally exceeding speeds of **100km/h**
 - Implemented disarm and smoke-stopper mechanisms along with testing protocols to enhance safety
- 2D Video Game** | *Java, Eclipse, Raspberry Pi* Aug 2023 – Dec 2023
- Designed and developed a role-playing video game using **9318 lines** of Java and the JFrame library with Eclipse
 - Made all creative assets for the game including text file tile maps, music, sound effects and pixel art
 - Created **2** dedicated hardware devices with an integrated Raspberry Pi board, battery and custom-designed casing

Extra-Curriculars

- International Level Athlete** 2015 – Current
- Canoe/Kayak*
- Qualified for and competed in the ICF Junior Marathon **World Championships** in 2022 and 2023
 - Balance intense training with high-achieving academics and a social life
 - Compete as a varsity athlete for the University of Waterloo Nordic Ski Team

Work Experience

- Program Coordinator and Coach** May 2024 – August 2024
- Mississauga Canoe Club* *Mississauga, ON*
- Scheduled practices, created training plans and organized boat transport for the Masters and Youth programs
 - Coached kids aged 8-13 and adults aged 25-65 in training and competition in the sport of Sprint Canoe/Kayak
 - Collaborated with co-workers and obtained the responsibility of locking up the canoe club at night
- Sales Associate (Full Time)** August 2023 – April 2024
- St. Albert Source for Sports* *St. Albert, AB*
- Ran a cash register, handling financial transactions and customer inquiries
 - Handled customer-service related tasks such as phone calls, custom orders and team orders
 - Co-operated with other store locations to ship equipment to stores with more demand

Education

- University of Waterloo** Waterloo, ON
- Bachelor of Applied Science in Computer Engineering* *Sep. 2024 – April 2029*
- President's Scholarship of Distinction
 - Schulich Leader Entrepreneurial-Minded STEM Scholarship Nominee