

Jeremy Poulin

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Skills

Languages: Java, C++, GDScript, Python, JavaScript, TypeScript, HTML/CSS, MySQL

Developer Tools: Git, VS Code, Eclipse, Godot, STM32CubeIDE

Libraries: React, JFrame, 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

Bachelor of Applied Science in Computer Engineering

Waterloo, ON

Sep. 2024 – April 2029

- President's Scholarship of Distinction
- Schulich Leader Entrepreneurial-Minded STEM Scholarship Nominee