# 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

**Library Noise Monitor** | *Microcontroller, Group Work, Design Demonstration*    Sep 2024 – Nov 2024
- Researched the negative effects of excessive noise in libraries and developed an autonomous solution
- Used an STM32 Microcontroller to monitor sound input and output warning lights at high noise levels
- Documented the design process and changes in a design document synced to the git repository
- 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
- Researched, designed, built and tested a fully functional FPV (First Person View) drone
- Soldered battery leads and other hardwired connections between PCBs
- Ensured the device met government regulations, and obtained all licensing required
- Implemented fail-safe mechanisms and testing protocols to enhance safety

**2D Video Game** | *Java, Eclipse, Raspberry Pi*    Aug 2023 – Dec 2023
- Developed and designed a role-playing video game and integrated hardware device as a gift for a friend
- Programmed using 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
- Balance intense training with high-achieving academics and a social life
- Invited to train alongside an olympian
- Also 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**    August 2023 – April 2024
*St. Albert Source for Sports*    *St. Albert, AB*
- Worked full time selling sports equipment and services
- 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*