



LIAM MANSFIELD

CONTACT

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LANGUAGES

English

Francais – B2

Deutsch – A2 (B1 in progress)

SKILLS

Programming Proficiencies

- Java/Android Studio, C++, Rust
- Visual Basic for Applications (VBA)
- BASH Shell

Engineering Software

- MATLAB/Simulink
- EasyEDA
- Siemens TRAVELS
- Linux Distributions

Office Suite

- Word
- Excel
- PowerPoint
- Power BI

Documentation Services

- SharePoint
- SAP

HOBBIES

Athletics - Rugby, Hockey, Ultimate Frisbee, Squash

Homelab – Debian Linux Based NAS, Media Server, LAMP Stack, Built PC, Upgraded/Refurbished Server and Multiple Laptops

VOLUNTEER WORK

Community Rugby Coach
Christmas Community Food Drive

EDUCATION

Bachelor of Electrical Engineering - Concordia University, Montreal

January 2021 – May 2026

Capstone: Designed and built a portable solar charged battery. In charge of battery pack, battery management system, DC-AC inverter and end terminal design and implementation.

Electric Motor Control Design, Power Systems Analysis, Control Systems Analysis, Digital and Analog Communications, Programming Methodology, Data Structures, Electric Machinery Design

DEC in Sciences - John Abbott College, Montreal

September 2018 – December 2020

Completed University Prerequisites for Electrical Engineering

WORK EXPERIENCE

SC Equinox Inc. – Intern

September 2025 – December 2025

Worked with Power BI to produce insightful technical documentation for several Hydro-Electric Dam and Solar projects.

Siemens Mobility GmbH – Werkstudent

May 2025 – August 2025

Produced technical documentation and presentations for Highspeed Intercity Rolling Stock. Worked with Rolling Stock Engineering to make topographical simulations. Communicated findings to engineers/technical management.

Canadian Aviation Electronics Inc. – Tools Manager

May 2023 – September 2023

Communicated between project leads, engineers and technicians to ensure that tools and materials for flight simulator aftermarket updates reached project sites. Gained experience working with technical documents while installing an upgrade on an in-house project.

Baie D'Urfé Yacht Club – Head Instructor

April 2022– November 2022

Managed a staff of 9 instructors that oversaw 40 children daily. Ensured that children were safe over the course of the day. Communicated with parents to ensure that parents' requests were met.

Concordia Stingers Rugby Academy – Head Coach

November 2024 – March 2025

Managed a staff of 5 coaches overseeing 60 athletes. Communicated with staff to ensure that targets of the practice plan are obtained. Broke down drills to make sure that athletes are practicing the desired skill.