

BORIS HOULE

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[LinkedIn](#)

EDUCATION

Bachelor of Engineering, Electrical Engineering

Sept 2024 - Present

University of Sherbrooke

- GPA: 4,21

College diploma

Sept 2022 - June 2024

Collège Jean-de-Brébeuf, Montreal, QC

- R Rating: 33.127
- Pure and Applied Sciences

LANGUAGES

English (5/5), French (5/5)

AWARDS AND SCHOLARSHIPS

University of Sherbrooke Scholarship

September 2024 - 2025

- \$2800 grant for the design and construction of a miniature crane

Integration project

June 2024

- Award for the best physics project for a study on 3D printing filament materials

TECHNICAL SKILLS

Programming languages: C, C++, C#, Embedded C, Python

IDE : Visual Studio Code, PyCharm, Clion, Geany, Gedit, PSoC creator

Digital software, CAD: Linux, SolidWorks, AutoCAD 2D, Altium, Fusion 360, Diptrace

Simulation tools: LTspice

ENGINEERING EXPERIENCE

ARCUS

May 2025 - present

Student group developing autonomous miniaturized racing car

- Design of the power distribution board using altium
- Efficient racing algorithms

VAMUdeS

September 2024 – May 2025

Student group developing autonomous drones, miniaturized planes and quadcopters

- PCB Design from Payload to Drone
- Computer vision algorithm to localize wildfire sources, using Python, Opencv and YOLO v8
- HSV algorithm to detect wildfire

PROFESSIONAL EXPERIENCE AND INTERNSHIPS**Test equipment designer****May 2025 – August 2025**

MDA Space, QC, Canada

- PCB design for signal processing
- Programmed and debugged a custom driver for 2 phases satellite motors
- PID control of satellite motors and micro stepping implementation
- Harness design

Rescuer**Summer 2023 – 2024**

Magog Beach, QC, Canada

- Ensuring the safety of swimmers
- Organize and lead team training sessions

Strengthen communication and leadership skills

INTERESTS AND HOBBIES

- Brazilian Jiu-Jitsu: Discipline and Strategic Thinking through Martial Arts
- Skiing: Endurance and outdoor exploration
- 3D printing and modeling: creative problem-solving and innovation.