

BORIS HOULE

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[LinkedIn](#)

EDUCATION

Bachelor of Engineering, Electrical Engineering **Sept 2024 - Present**
University of Sherbrooke

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

MegaGéniale Scholarship **Sep 2024 - 2025**

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

Integration project **June 2024**

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

TECHNICAL SKILLS

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

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

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

Simulation tools: LTspice

ENGINEERING EXPERIENCE

VAMUdeS **September 2024**

Group of students developing autonomous drones, miniature planes and quadcopters

- Designing PCBs from payload to drone
- Develop a current module for the drone battery
- Strengthen teamwork and time management

ENGINEERING EXPERIENCE

Robotic Arm Design **Fall 2024**

Design and develop a gripper to manipulate Jenga blocks

- Program a stepper motor and integrate a limit switch for the original part number
- Collaborate with the team to manage logistics: budget, resources and planning
- Design and 3D print the mechanical claw

PROFESSIONAL EXPERIENCE**Rescuer****Summer 2023 – 2024**

Magog Beach, QC, Canada

- Ensuring the safety of swimmers
- Organize and lead team workouts
- Strengthen communication and leadership skills

Tutor**Fall 2023-2024**

Collège Jean de Brébeuf, QC, Canada

Study aid for mathematics, physics and chemistry courses

- Adapt my interventions according to each student
- Communicating and teaching difficult concepts

Cadet de Golf**Summer 2020 – 2023**

Memphremagog Golf Club, Magog, QC, Canada

- Provide professional assistance to club members
- Maintain electric golf carts and equipment
- Improve my professionalism and customer service

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.