THOMAS MATTHEW HAENE

3535 Rue Durocher, Apt. 1, Montreal, QC H2X 3P8
514-706-0307 (Mobile)
thomas.haene@mail.mcgill.ca
(Canadian Citizen)

EDUCATION

Bachelor of Engineering, Electrical Engineering   **Sep 2021 – May 2025**

McGill University, Montreal, QC
- In my 2nd year (sophomore)

International Baccalaureate (IB)   **Sep 2019 - Jun 2021**

British International School Abu Dhabi
- Graduated with a total score of 41/45 points, placing within top 8% in the world.
- Earned the 'Physics award' at both IGCSE and IB, which was awarded to one student.

PROJECTS

Portfolio Site
- Built using HTML and CSS, using Visual Studio Code. Serves as the hub for my application process in future employment endeavours.
- https://thomashaene.com/
- https://github.com/TomHaene

NBA API Python Project
- This project was a great introduction into back-end web development for me. I created a front-end UI that took in user input of an NBA player's name and passed this to a python backend program, which returned data relating to this player. This project taught me Django and HTTP requests and responses.
- http://tomhaene.pythonanywhere.com/

EXPERIENCE

McGill Robotics Design Team   **January 2023 - Ongoing**
- Member of the Electrical Systems division for the Mars rover project. Completed tasks include PCB design for our drive system board using Altium. Also, firmware programming in C on STM32Cube IDE for the soil sample collection system.

The Factory, McGill   **September 2023 – Ongoing**
- Hold the position of general manger at the 'Factory', which is a student-run hardware lab at McGill. We offer office hours to help students with any hardware related projects they may have, while also providing regular workshops, in skills such as: Arduino, PCB Design, and more.

McGill Orientation leader   **August 24 – August 28, 2023**
- Myself and 3 other leaders were in charge of introducing a group of 25 first year students to Montreal and also the McGill community. Skills learned were Risk reduction, dealing with high stress situations and of course leadership experience.

TECHNICAL SKILLS + INTERESTS

Programming Languages: VHDL, Java C, Python, Bash, HTML & CSS, ARMv7-A Assembly.
Hardware Familiarity: FPGA's, Arduino Boards, Soldering, STM32CubeIDE, RasberryPi, EasyEDA PCB design.
Software Familiarity: Visual Studio Code, Altium designer, Android Studio for Android Mobile App Development, SQLite Databases, Django.
Languages: English (native language), French (proficient)
Interests: Weightlifting, Basketball, YouTube educational content creation & Acoustic Guitar