

# THOMAS MATTHEW HAENE

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(Canadian Citizen)

## EDUCATION

**Bachelor of Engineering, Electrical Engineering** **Sep 2021 – May 2025**  
McGill University, Montreal, QC

- In my 2<sup>nd</sup> 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>

### JustTeachYourself ©

- This is an Android mobile app that I built and it available currently on the Google play store. This app allows you to store voice recordings and videos in categories, and was built because I find making videos and spoken explanations a useful way to internalize new information, and this app allows you to do so while storing these in groups .

### 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.

## EXPERIENCE

**McGill Robotics Design Team** **January 2023 - Ongoing**

- Member of the Electrical Systems division for the Mars rover project. Have completed numerous tasks, those of which are all available to view on my website.

**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.

## TECHNICAL SKILLS + INTERESTS

**Programming Languages:** VHDL, Java C, Python, Bash, HTML & CSS,

**Hardware Familiarity:** FPGA's, Arduino Boards, Soldering, STM32CubeIDE

**Software Familiarity:** Visual Studio Code, Altium designer, Android Studio, SQLite databases

**Languages:** English (native language), French (proficient)

**Interests: Weightlifting, Basketball & Acoustic Guitar**