

DAWOUD NASEEM

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EDUCATION

McGill University

Expected Graduation: May 2028

Bachelor of Electrical Engineering

Montreal, QC

- Courses: Fundamentals of Software Development, Electric Circuits 1 & 2, Intro. to Signals and Systems

EXPERIENCE

McGill Rocket Team – Payload Hardware

Sept 2024 – Present

McGill University

Montreal, QC

- Working on Bone Acceleration & Temperature Control Project
- **Designing PCB Layouts** on **Altium Designer**
- **Soldering** components on PCBs
- Using **LTspice** to simulate electric circuits

President of Muslim Student Association

Jun 2023 – Dec 2023

Dawson College

Montreal, QC

- Provided a safe environment for Muslims to thrive in expressing their faiths and to feel connected with one another
- Organized and lead a charity event raising more than **4000\$** for innocent people afflicted by war
- Actively fought against the increasing Islamophobia
- **AWARDS: Best Display of Unity Award & Student Life Award**
- **SKILLS: Leadership, Communication, Team Management, Teamwork, and Conflict Resolution**

Peer Tutor

Aug 2022 – Jan 2024

Dawson College

Montreal, QC

- Tutored students for Biology, Chemistry, Physics, and Mathematics.

PROJECTS

Bone Acceleration & Temperature Control | *Payload Electronics Hardware*

Sept 2024 – Present

- Determining the acceleration of bones as they're launched on a rocket
- Actively control the temperature of the bones throughout the launch
- Working with the physics department for muon detection experiment
- Design PCB layouts using Altium Designer
- Soldering PCBs

ColourSeek | *OpenCV – Computer Vision – Python – Arduino*

Feb 2025

- Developed software allowing colourblind individuals to identify colours accurately
- Implemented **computer vision** / **OpenCV** Python library
- Implemented **Arduino** IDE in C++
- Completed the project within 24 hours in **ConUHacks IX**

OneRefuge | *HTML – CSS – FLEXBOX*

Feb 2025

- Developed **full stack website** to help refugees access essential information and resources in Canada easily, avoiding information overload
- Developed **Front-End** using **HTML, CSS, / Flexbox**
- Skills: Teamwork – Communication – Problem Solving
- Completed the project within 24 hours in **McHacks 12**

TECHNICAL SKILLS

Developer Tools: Altium, LTSpice, Git, GitHub, VS Code, IntelliJ

Languages: Java, Python, HTML/CSS

Libraries: OpenCV