

HOSSAM MOUSTAFA

Eager software engineering student passionate about learning and fast-tracking my skills in software development

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EDUCATION

B.Sc. Software Engineering

Polytechnique Montréal

Sept 2023 – Present

DEC Eureka - Pure and Applied Sciences.

Collège Jean-de-Brébeuf

Sept 2020 – June 2023

EXPERIENCE

Software Team Member

Esteban

09-2023 – Present

Polytechnique

- Design and develop embedded software for a solar car, including control systems, telemetry, and user interfaces.
- Collaborate with mechanical engineers to seamlessly integrate software into the car, ensuring effective communication between hardware and software components.
- Program a remote control application to monitor and manage the solar car during competitions.
- Optimize software to maximize the solar car's energy efficiency.
- Working with Flutter, Kotlin, and Python on this project.

VP Sponsorship

PolyAI

09-2023 – Present

Polytechnique

- Proactively seeking sponsorship opportunities from local and national AI companies to support PolyAI committee events and initiatives.
- Managing relationships with existing sponsors, ensuring their expectations are met, and strengthening long-term collaboration.
- Close cooperation with other committee members to coordinate successful events, utilizing resources obtained through sponsorships.

PROJECTS

AToMPM

Polytechnique / Dr. Bentley Oakes

https://github.com/AToMPM/atompm

- AToMPM is a web-based, open-source framework for creating domain-specific modeling tools, ensuring platform independence. It follows a philosophy of explicit modeling at the appropriate abstraction level.

SUMMARY

As a Software Engineering student, I'm eager to learn by working with experienced professionals. I have hands-on experience in mobile and web development, and I'm excited to contribute to innovative projects and enhance my expertise.

TECH STACK

Python Pandas Matplotlib
NumPy Flutter C++ JavaScript

Git GitLab Jupyter VScode
Bash scripting Mac/Windows

AWARDS

-  **Lord Strathcona Medal**
Awarded on June 2022 by the Royal Canadian Legion
-  **Medal of Excellence**
Awarded on June 2021 by the Royal Canadian Legion
-  **Leadership scholarship**
Awarded on May 2020 by Fondation du Collège Jean-de-Brébeuf

LANGUAGES

English ● ● ● ● ●
French ● ● ● ● ●
Arab ● ● ● ● ●