Michael Banna

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Passionate about all things technology, with a unique interest in software development and graphic design. My attention to detail and adaptability skills bring a positive influence to any environment.

EDUCATION

Polytechnique Montréal — *BEng. Software Engineering (2025) — GPA: 3.54*

Collège Stanislas de Montréal — *French Bacc. in Computer Science, Maths, Physics & Chemistry (2021)*

SKILLS

- Well-versed in **Python** (numpy, pandas, matplotlib, Jupyter, etc.)
- Experienced in **HTML**, **CSS**, **JavaScript**, **Swift**, **Git**, **VHDL** and **C++**.
- Fluent in **French** and **English**
- Proficient in **Microsoft Office** (Word, Excel, PowerPoint, Outlook) and **Apple iWork** (Pages, Keynote, Numbers)
- Knowledgeable in **Adobe Photoshop**, **Adobe Illustrator**, **Affinity Photo** and **Affinity Designer**

WORK EXPERIENCE

Engineers Without Borders — *Polytechnique Montréal (September 2021 - present)*

- Coordinates with a team of 8 people to design banners, social media posts and website updates as part of the Communications division.
- Raises awareness on global socioeconomic and environmental issues and spreads knowledge on engineering as a profession to children from disadvantaged communities.

Media & Yearbook Committee — *Collège Stanislas de Montréal (September 2018 - August 2021)*

- Led the production & distribution of an 86-page Senior Yearbook with a team of 14 people (designers, finance & communications specialists).
- Designed and published social media posts and physical posters detailing event information.

SIGNIFICANT PROJECTS

Digital Business Card Creator — *HTML, CSS, JavaScript (December 2019 - February 2020)*

- Worked in a group to create an online platform that uses user input to create a beautiful shareable homepage with links to different social media accounts.

Molecule Behaviour Simulator — *Python (October 2021)*

- Programmed an algorithm that simulates and redirects molecular collisions inside a container of variable volume, using complex list comprehensions and condition statements.

Social Media Engagement Simulator — *Python (November 2021)*

- Collaborated with a course partner to emulate a TikTok-like platform using object oriented programming principles such as abstract methods, polymorphism and operator overloading.

Finance Calculator App — *Swift (December 2021 - January 2022)*

- Coded a primitive iOS application that uses user input to calculate and display financial interest and monetary gains across different SwiftUI content views.

Personal Homepage — *HTML, CSS (December 2021 - present)*

- Built and deployed a website that serves as a portfolio and resume, using load-in animations and hover effects to produce dynamic interactions.