Michael Banna

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EDUCATION

Polytechnique Montréal — Montréal, QC
Bachelor of Engineering in Software Engineering — *Aug. 2021 – May 2025*

Collège Stanislas — Montréal, QC
French Baccalaureate in Computer Science, Mathematics, Physics and Chemistry — *Aug. 2018 – May 2021*

PROJECTS

Chess Game | *C++, Qt* — March 2022 – May 2022
- Developed a fully playable chess game using object-oriented programming principles
- Implemented an end-of-game scenario select screen in order to more easily showcase checkmate functionality
- Used Qt as a graphical user interface framework using various icons and text indicators

Movie Recommendation App | *Python, Flask, HTML, CSS, JavaScript* — January 2022
- Worked in a team of 4 to develop a full stack web app which uses deep learning to make relevant movie recommendations
- Designed a coherent user experience with dynamic effects and a responsive layout

Integrated Hardware Engineering Project | *C++, AVR-LibC* — January 2022 – April 2022
- Participated in an intensive group learning curriculum involving experimentation with a physical Atmel microcontroller connected to several buttons, sensors, motors and LEDs
- Programmed a robot capable of executing various moves such as following a light source, avoiding a wall, and performing a U-turn

Personal Homepage | *HTML, TailwindCSS, Node.js* — January 2022 - August 2022
- Built and deployed a simple website which serves as a personal portfolio and resume
- Designed a unique landing page using custom TailwindCSS settings

EXPERIENCE

PrideHacks Participant — July 2022
QueerTech — *Montréal, QC*
- Collaborated with fellow web and UI/UX designers to build concepts and solutions for non-profit organisations that serve 2SLGBTQ+ communities

Marketing Vice President — Sep. 2021 – Present
Engineers Without Borders, Polytechnique Montréal — *Montréal, QC*
- Coordinates with a team of 12 people to design logos, social media templates and large scale posters
- Raises awareness on global socioeconomic and environmental issues and spreads knowledge on engineering as a profession to children from disadvantaged communities

Freelance Graphic Designer — March 2020 – Present
Fiverr, Upwork — *Montréal, QC*
- Manages multiple projects simultaneously in order to meet tight deadlines
- Develops visual identities for physical and online presences depending on clients' needs and preferences
- Delivers consistent quality design assets packaged within easy-to-use branding kits

TECHNICAL SKILLS

Languages: Python, C/C++, HTML/CSS, Swift, JavaScript, ASM x86, VHDL
Frameworks: Node.js, Flask, WordPress, TailwindCSS, SwiftUI
Libraries: pandas, NumPy, Matplotlib, Jupyter
Developer Tools: Git, ngrok, VS Code, Visual Studio, PyCharm, Xcode, CodeRunner
Design Tools: Figma, Adobe Creative Cloud, Affinity Suite