

Mickel Samuel

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[Linkedin](#) | [Github](#)

SKILLS

Programming Languages | C++, Python, Java, C, x86 Intel Assembly Language, HTML, CSS, JavaScript, PHP, VHDL

Web Technologies | React, NextJS, Bootstrap, Mantine UI

Frameworks & Tools | Xcode, Visual Studio, IntelliJ IDEA, PocketBase, Android Studio, Git, Github, Verilog, FPGAs, MATLAB, ModelSim

Operating Systems | Windows, Linux, MacOS, Mobile

Methodologies | Agile/Scrum, Full-Stack Web Development, Object-Oriented Programming, Software Engineering Principles, Numerical Analysis

Languages | English, Basic French, Arabic

EDUCATION

Bachelor of Engineering – Computer Engineering Career Edge (C.Edge)

2022 – 2026

Concordia University, Montreal, QC

- Programming Methodology, Digital Systems Design, Data Structures and Algorithms, Operating Systems, Computer Organization and Software, and Continuous-Time Signals and Systems

PROJECTS

AgendaMate App

2024

- Built an **iOS** app with task management, journal, notes, and weather updates using **SwiftUI**, **Core Data**, and a **weather API**.
- Integrated with the phone's calendar for task scheduling and notifications via **EventKit**.
- Secured with Face ID and passcode protection.

Patient Monitoring Android App

2024

- Developed an **Android** app to monitor heart rate, temperature, and oxygen levels in elderly patients.
- Integrated sensor data and real-time alerts for health anomalies.
- Designed an intuitive interface using Android frameworks, ensuring privacy and data security with local data storage.

Real Estate Website

2023

- Developed a full-stack web application using **NextJS**, **React**, and **PocketBase**, targeting real estate transactions (buyers, renters, brokers).
- Integrated front-end design (**Mantine UI**) and back-end data management.
- Contributed to project management using **agile** methodologies.

Hovercraft Project

2023

- Designed and built an autonomous hovercraft using Arduino, sensors, and fans.
- Programmed obstacle detection and navigation systems for autonomous operation.
- Optimized stability and lift to successfully complete an obstacle course.

Portfolio Website.

2023

- Built a personal portfolio website using **HTML**, **CSS**, and **JavaScript**.
- Deployed the site with **GitHub** Pages and implemented basic **SEO** strategies.
- [Portfolio](#)

WORK EXPERIENCE

Inventory Clerk

2021-2022

Distribution Regitan, Dorval, QC

- Managed inventory, prepared orders for multiple locations, and ensured a safe and efficient environment through organizational skills.

VOLUNTEER WORK

Open House Representative

2022-2024

Concordia University, Montreal, QC

- Led campus tours for prospective students, answering questions and showcasing the Computer and Electrical Engineering programs.

Tutor
Emmanuel Christian School, Dollard-Des Ormeaux

2019 - Present

- Provided individualized tutoring for elementary and high school students, helping them achieve academic success.