

## SIMON WU

(438) 345 – 7281 | [simonwu011@outlook.com](mailto:simonwu011@outlook.com) | [linkedin.com/in/wu-simon](https://www.linkedin.com/in/wu-simon) | [github.com/siwuagain](https://github.com/siwuagain) | [Website](#)

### EDUCATION

---

**McGill University** | Montreal, QC 2023 - ...  
*B Sc, Computer Science*

**Champlain College** | St-Lambert, QC 2019 - 2021  
*DEC, Health Science*

### EXPERIENCE

---

**Full-Stack Developer Intern** May 2023 - September 2023  
*Ensemble* | [linkedin.com/company/build-ensemble](https://www.linkedin.com/company/build-ensemble) Montreal, QC

- Developed a full-stack web application/mobile app using **Ionic/Angular**, **Node**, **Express**, and **MongoDB** for third-party car-inspectors to manage their inspections
- Conducted integration and end-to-end testing with **Playwright** and **Jest** to ensure the inspector application's functionality
- Collaborated with cross-functional teams using **Agile** methodology to implement software enhancements for UI and features based on user feedback
- Maintained and improved client's other full-stack projects by identifying/resolving bugs and updating the codebase to meet evolving requirements
- Developed an inventory management system using **NestJS** and **MongoDB** with Clean Architecture principles for healthcare workers to track equipment usage
- Created **WordPress** websites for a heavy-metal musician band and *Ensemble* to improve branding

### PROJECTS

---

**NutroPNG** | *Vue, Flask, Google Vision API* 3<sup>rd</sup> Best Hack, McHacks 10

- Developed a web-application that displays nutritional information of food using image-capture and item-detection from Vision AI's pre-trained ML models.

**ReadyDoneData** | *Next.js, Flask, Apache Spark* ConUHacks VII 2023

- Developed a web-application to display graphical patterns from samples of equity market exchanges (200K + messages) treated with Apache Spark.

**Zen Bot** | *Python, SQLite*

- Developed a Discord (VoIP social platform) bot with the discord.py API wrapper tailored for a chatroom intended for people to find and interact with peers sharing common interests.

**DrooVE** | *HTML & CSS, TailwindCSS, Node.js* Best Beginner Project, CodeJam12 Hackathon

- Developed an itinerary optimization system for truck drivers that lists recommended rest stops based on starting location, destination, and time slept using APIs from Google Maps Platform.

### TECHNICAL TOOLKIT

---

**Languages:** Python, Java, C++, HTML & CSS, JavaScript, TypeScript, R

**Frameworks:** Angular, Ionic, React, Next, Vue, NestJS, Express, Bootstrap, Tailwind

**Developer Tools:** Git, GitHub, PyCharm, IntelliJ, R Studio, VS Code, Android Studio