

Skyler Ma

📍 Waterloo, ON 📩 skyler.ma@uwaterloo.ca ☎ +1 (613) 262-4386 💬 Skyler Ma 🌐 sky46 🌐 skylerma.com

EDUCATION

University of Waterloo

Bachelor's of Applied Science in Computer Engineering, Honours, Co-op Sep. 2025 – Apr. 2030
Waterloo, ON, Canada

- Relevant Coursework: Programming, Design Studio, Engineering Communication, Linear Algebra, Calculus

Merivale High School

Ontario Secondary School Diploma (99.1% average) Sep. 2021 – Jun. 2025
Ottawa, ON, Canada

- Received Governor General's Academic Medal for highest average in graduating class

EXPERIENCE

Full-Stack Web Development Intern

Prom Planner / Digitera Interactive Oct. 2023 – Jun. 2024
(Remote) Ottawa, ON, Canada

- Programmed Laravel/PHP web frontend and backend with role-based authentication for students, school admin, and businesses to efficiently manage prom registrations, payments, communications, and activities
- Built prototypes and mockups from supervisor specifications, continuously adjusting based on feedback and tests
- Conducted thorough app testing, documenting bugs and their causes, and recommending UI improvements
- Prepared platform for beta testing and official launch at prospective 35 000 schools across North America

Hackathon Executive Director

LazyHacks, powered by Nokia Jun. 2024 – Dec. 2024
Ottawa, ON, Canada

- Organized in-person hackathon for 80 local high school students at Nokia office in collaboration with three peers
- Secured sponsorships to fully cover venue and two meals, as well as an additional \$3500 for merch and prizes
- Oversaw running of event including mentors and volunteers, and quickly adapted plans to overcome unforeseen challenges such as a snowstorm, an incomplete food delivery, and a last-minute restructuring of the judging format
- Built visually appealing, animated, and mobile-responsive website using Next.js and TailwindCSS

Busser / Kitchen Staff

Allô Mon Coco Jun. 2024 – May 2025
Ottawa, ON, Canada

- Cleaned and reset tables, brought used dishes back to dishwashers, cleaned up spills, and disposed of trash
- Prepared brunch foods in response to fast-paced orders, and restocked kitchen ingredients after each shift
- Collaborated with servers and other staff to resolve customer complaints and provide efficient service during rushes

PROJECTS

Drama Attendance Manager

| PostgreSQL, Express.js, React, Next.js, Docker Dec. 2024 – Jun. 2025

- Developed a full-stack web app to facilitate attendance tracking and management for students and teachers
- Used Git/GitHub, Docker Compose, and agile development for fast, organized, and adaptable collaboration

FPSwap – Managing Moving Patients

| Python, Django, HTML/CSS/JS, Vue.js Jun. 2022 – Jan. 2024

- Developed a full-stack web app to help family physicians find new doctors for patients moving elsewhere in Ontario
- Created algorithm to efficiently find openings for incoming patients with doctors who had other patients leaving

Discord Sings Bot

| Python, discord.py May 2021 – May 2022

- Created a Discord bot for users to "sing a song" by sending messages which calculates score based on accuracy of lyrics, for use in Discord server with over 30 000 members
- Implemented text parsing algorithm to compute accuracy of lyrics using Levenshtein distance, while ignoring emoji

TECHNICAL SKILLS

Languages: Python, PHP, JavaScript, SQL (PostgreSQL, SQLite, MySQL), C++, HTML, CSS

Frameworks: Django, React.js, Next.js, Express.js, Laravel, Flask, TailwindCSS, Bootstrap

Developer Tools: Git, GitHub, Docker, VSCode