

Skyler Ma

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EDUCATION

University of Waterloo <i>Bachelor's of Applied Science in Computer Engineering, Honours, Co-op</i> <ul style="list-style-type: none">Relevant Coursework: Programming, Design Studio, Engineering Communication, Linear Algebra, Calculus	Sep. 2025 – Apr. 2030 Waterloo, ON, Canada
Merivale High School <i>Ontario Secondary School Diploma (99.1% average)</i> <ul style="list-style-type: none">Received Governor General's Academic Medal for highest average in graduating class	Sep. 2021 – Jun. 2025 Ottawa, ON, Canada

EXPERIENCE

Full-Stack Web Development Intern <i>Prom Planner / Digitera Interactive</i> 📧	Oct. 2023 – Jun. 2024 (Remote) Ottawa, ON, Canada
<ul style="list-style-type: none">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 activitiesBuilt prototypes and mockups from supervisor specifications, continuously adjusting based on feedback and testsConducted thorough app testing, documenting bugs and their causes, and recommending UI improvementsPrepared platform for beta testing and official launch at prospective 35 000 schools across North America	
Hackathon Executive Director <i>LazyHacks, powered by Nokia</i>	Jun. 2024 – Dec. 2024 Ottawa, ON, Canada
<ul style="list-style-type: none">Organized in-person hackathon for 80 local high school students at Nokia office in collaboration with three peersSecured sponsorships to fully cover venue and two meals, as well as an additional \$3500 for merch and prizesOversaw 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 formatBuilt visually appealing, animated, and mobile-responsive website using Next.js and TailwindCSS	
Busser / Kitchen Staff <i>Allô Mon Coco</i>	Jun. 2024 – May 2025 Ottawa, ON, Canada
<ul style="list-style-type: none">Cleaned and reset tables, brought used dishes back to dishwashers, cleaned up spills, and disposed of trashPrepared brunch foods in response to fast-paced orders, and restocked kitchen ingredients after each shiftCollaborated with servers and other staff to resolve customer complaints and provide efficient service during rushes	

PROJECTS

Drama Attendance Manager 📧 <i>PostgreSQL, Express.js, React, Next.js, Docker</i>	Dec. 2024 – Jun. 2025
<ul style="list-style-type: none">Developed a full-stack web app to facilitate attendance tracking and management for students and teachersUsed Git/GitHub, Docker Compose, and agile development for fast, organized, and adaptable collaboration	
FPSwap – Managing Moving Patients 📧 <i>Python, Django, HTML/CSS/JS, Vue.js</i>	Jun. 2022 – Jan. 2024
<ul style="list-style-type: none">Developed a full-stack web app to help family physicians find new doctors for patients moving elsewhere in OntarioCreated algorithm to efficiently find openings for incoming patients with doctors who had other patients leaving	
Discord Sings Bot 📧 <i>Python, discord.py</i>	May 2021 – May 2022
<ul style="list-style-type: none">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 membersImplemented 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