

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: Fundamentals of Programming, Engineering Communication, Linear Algebra, Calculus	Waterloo, ON, Canada Sep. 2025 – Apr. 2030
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	Ottawa, ON, Canada Sep. 2021 – Jun. 2025

EXPERIENCE

Busser / Kitchen Staff <i>Allô Mon Coco</i> <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 shift	Jun. 2024 – May 2025 Ottawa, ON, Canada
Hackathon Executive Director <i>LazyHacks, powered by Nokia</i> <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 an last-minute change to the judging format	Jun. 2024 – Dec. 2024 Ottawa, ON, Canada
Full-Stack Programming Intern <i>Prom Planner / Digitera Interactive</i> <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 testsCommunicated code and database changes with supervisors, and managed version control using Git and GitHubConducted thorough app testing, documenting bugs and their causes, and recommending UI improvements	Oct. 2023 – Jun. 2024 (Remote) Ottawa, ON, Canada

PROJECTS

Dratt! – Drama Attendance Manager <i>PostgreSQL, Express.js, React, Next.js, Docker</i> <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	Dec. 2024 – Jun. 2025
FPSwap – Managing Moving Patients <i>Python, Django, HTML/CSS/JS, Vue.js</i> <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	Jun. 2022 – Jan. 2024
Discord Sings Bot <i>Python, discord.py</i> <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	May 2021 – May 2022

TECHNICAL SKILLS

Languages: Python, PHP, JavaScript, SQL (PostgreSQL, SQLite, MySQL), HTML, CSS
Frameworks: Django, React.js, Next.js, Express.js, Laravel, Flask, TailwindCSS, Bootstrap
Developer Tools: Git, GitHub, Docker, VSCode