

# Skyler Ma

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## EDUCATION

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

## EXPERIENCE

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

## PROJECTS

<b>Drama Attendance Manager</b> 🔗   <i>PostgreSQL, Express.js, React, Next.js, Docker</i> <ul style="list-style-type: none"><li>Developed a full-stack web app to facilitate attendance tracking and management for students and teachers</li><li>Used Git/GitHub, Docker Compose, and agile development for fast, organized, and adaptable collaboration</li></ul>	Dec. 2024 – Jun. 2025
<b>FPSwap – Managing Moving Patients</b> 🔗   <i>Python, Django, HTML/CSS/JS, Vue.js</i> <ul style="list-style-type: none"><li>Developed a full-stack web app to help family physicians find new doctors for patients moving elsewhere in Ontario</li><li>Created algorithm to efficiently find openings for incoming patients with doctors who had other patients leaving</li></ul>	Jun. 2022 – Jan. 2024
<b>Discord Sings Bot</b> 🔗   <i>Python, discord.py</i> <ul style="list-style-type: none"><li>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</li><li>Implemented text parsing algorithm to compute accuracy of lyrics using Levenshtein distance, while ignoring emoji</li></ul>	May 2021 – May 2022

## 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