

# Ethan Wang

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## EDUCATION

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**University of Guelph | Guelph, ON**

**B.C. in Computer Science (CO-OP) | Dean's List | Minor in Business**

**September 2021 - April 2026**

**Relevant Courses:** Data Structures, Algorithms, Object-Oriented Programming, Full Stack, Statistics, Databases, UI/UX

## TECHNICAL SKILLS

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**Programming Languages:** Python, C, Java, JavaScript/TypeScript, HTML, CSS, SQL

**Frameworks/Libraries:** React, Node.js, AJAX, JQuery

**Development Tools:** Git, Linux, Docker, Vercel, MySQL, SQLite, Sharepoint

## PROJECTS

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**Maze Generator Website | Python, JavaScript, AJAX, HTML, CSS**

**October - Present 2023**

- Developed a dynamic maze generator web application that is hosted online.
- Implemented a Python backend utilizing a user's choice of algorithm for maze generation and solving.
- Achieved real-time maze updates and animations on the web page using AJAX and JavaScript
- Full visualization of algorithm pathfinding process and discovered shortest path.

**Personal Website | JavaScript, HTML, CSS**

**December 2023**

- Created a visually appealing personal website using HTML, CSS, and JavaScript to create an engaging, aesthetically pleasing, and user-friendly interface.
- Designed a dedicated section to showcase previous projects, effectively highlighting skills and expertise.
- Integrated JavaScript functionalities to add interactive elements, such as animated transitions and dynamic content, enhancing user engagement and interaction.
- I infused creativity into the website's design, incorporating unique and imaginative elements to set it apart and leave a lasting impression on visitors.

**Molecule Visualization App | C, Python, SQL, JQuery, AJAX**

**April 2023**

- Developed a full stack application that parses chemical compounds from molecular data using C and Python and stored in an SQL database
- Rendered portable 3-D visualization of complex molecules using the SVG format
- Designed a responsive web client using JQuery and AJAX

## PROFESSIONAL EXPERIENCE

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**Student IT Technician | City of Guelph | Guelph, ON**

**September 2023 - December 2023**

- Resolved a critical Chrome script issue affecting the Cisco Finesse software, causing abrupt user disconnects for hundreds of city employees.
- Spearheaded the discovery and implementation of a key AutoCAD licensing script, resolving licensing-related issues that impacted many city employees.
- Edited and maintained the SharePoint website, ensuring up-to-date content and seamless functionality for users. Collaborated with teams to implement necessary changes and updates.

**IT Support Technician | IMCD | Brampton, ON**

**June 2022 - September 2022**

- Installed and serviced printers, servers, network devices, and user systems, contributing to seamless hardware functionality.
- Engaged with a diverse user base daily, demonstrating strong communication skills to understand and address their IT concerns.
- Conducted routine maintenance and implemented system upgrades, ensuring optimal performance and security.