

Ethan Wang

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EDUCATION

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

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

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

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

PROJECTS

[Maze Generator Website](#) | Python, JavaScript, AJAX, HTML, CSS

January 2024

- 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

IT Technician | City of Guelph | Guelph, ON

September 2023 - December 2023

- Resolved a critical Chrome issue affecting the Cisco Finesse software, causing abrupt user disconnects for hundreds of city employees by updating company google chrome download script in Python.
- Resolved AutoCAD licensing-related issues impacting city employees by utilizing scripting in Python to create a download script for installing proper license verification tools.
- 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, maintained, and serviced printers, servers, network devices, and user systems, ensuring continuous hardware functionality and reliability.
- Interacted with a diverse user base on a daily basis, showcasing strong communication skills to effectively comprehend and resolve their IT concerns.
- Performed regular maintenance and executed system upgrades to guarantee peak performance and security.