**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, Java, JavaScript/TypeScript, HTML, CSS, SQL

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

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

**PROJECTS**

[**Maze Generator Website**](https://ethanwang03.pythonanywhere.com/) **| 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**](https://ethanwang03.github.io/) **| 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**

**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.