

# Ethan Wang

Computer Science Student, University of Guelph

## WORK EXPERIENCE

### City of Guelph, Guelph, ON

IT Technician

9/2023 - 12/2023

- 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 Company website, ensuring up-to-date content and seamless functionality for users. Collaborated with teams to implement necessary changes and updates.

### IMCD Group, Brampton, ON

IT Support Technician

5/2022 - 9/2022

- 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.

## PROJECTS

### Maze Generator Website

10/2023

- Developed a dynamic maze generator web application that uses a user's choice of algorithm for maze solving.
- Real-time maze updates and animations using a **Python** backend, **AJAX**, and **JavaScript**.
- Values such as solution length, cells visited, and execution time are calculated and displayed.

### Molecule Visualization App

4/2023

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

## CONTACT

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## SKILLS

### Programming Languages

- C
- Python
- Java
- JavaScript/TypeScript
- HTML/CSS
- MySQL/SQLite
- Verilog
- VHDL

### Frameworks/Libraries

- React.js
- Node.js
- AJAX
- JQuery

### Development Tools

- Git
- Linux
- UNIX
- Docker
- Bootstrap

### Technical Skills

- Data Structures
- Algorithms
- Object-Oriented Programming
- Full Stack Development
- Statistics
- Databases

## EDUCATION

### University of Guelph

Bachelor of Computing

Computer Science

Minor in Business

Guelph, ON - 4/2026

Dean's List