



# Tom Zhang

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## TECHNICAL SKILLS

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- **Programming Languages:** HTML/CSS, JavaScript, Python, SQL, C, Bash
- **Frameworks:** React, Tailwind CSS, Node.js, Express, MongoDB
- **Tools:** Git, Cursor, ChromeDevTools, Linux, MySQL

## EXPERIENCE

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**Junior Software Engineer, Krachi's Space Technologies** December 2024 - January 2025

- Created front-end websites and handled email automation with back-end server.
- Used **React**, **Tailwind CSS**, and **Node.js**.
- Ensured Cross-device compatibility for our website.

**Python Developer, Centennial Collegaite** April 2023 - June 2024 

- Developed a program for my high school's principal to organize class schedules onto an Excel document, **reducing staff effort by more than 100%** to organize their schedules and **enhancing visual appeal**.
- Used **Python** as programming language and used the **openpyxl** library.
- Was rewarded **\$150 of honorarium, a reference letter from the principal, and a hoodie** for my work.

## PROJECTS

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**Personal Portfolio Website** January 2025 

- Created a visually appealing portfolio website, Tom's World: <https://netlify.com/>.
- Used **React** and **Tailwind CSS**.
- Ensured Cross-device compatibility for my website.


**Google Minesweeper Solver** May 2023 

- Coded an algorithm that solves Google's Minesweeper Game (hard mode) on the browser within **15s**.
- It captures the screen, identifies the game board, processes the image, sends the data to a complex algorithm, determines where the mines are, and sends click signals to the computer.
- Used **Python** and the libraries **OpenCV** and **PyAutoGUI**.
- Used concepts including **Screen Capturing**, **Image Processing**, **Binary Search**, and **Click Automation**.

**Real-Time Market Data Extraction and Excel Conversion** August 2023 

- Collaborated on a project aimed at scraping real-time stock market data for financial analysis using **Python**, and the library **openpyxl**.
- Automated sorting, grouping and storing of real-time financial data in **Excel**.

**Github Profile Beautifier** August 2023 

- Built a program that beautifies your Github profile by creating fake contributions to your account, thereby creating images on your contribution chart.
- Please check out my Github profile .
- Used **Python** and **Bash** scripting.

## EDUCATION

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**University of Waterloo (GPA: 4.0/4.0)** September 2024 - June 2029

Computer Science and Business Administration (Double Degree)