Tom Zhang

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TECHNICAL SKILLS

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

EXPERIENCE

Junior Software Engineer, Krachi's Space Techologies   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 Collegiate   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

Personal Portfolio Website   January 2025 ⭘

- Created a visually appealing portfolio website, Tom's World.
- 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.
- Used **Python and Bash scripting**.

EDUCATION

University of Waterloo (GPA: 3.86/4.0)   September 2024 - June 2029

Computer Science and Business Administration (Double Degree)