WenHao Wu

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EXPERIENCE

Automation Developer · Englobe   *March 2025 – Present*
- Automated monitoring of field units using **Python** and two external APIs, deployed across two company offices, sending multiple daily alerts, and reducing data loss by 95%, improving operational reliability
- Built an air quality alert system with **Python** and an external API, automatically sending email notifications to relevant parties, and generating $12,000 in profit
- Developed a **Python-based** report automation tool for multiple report types, standardizing outputs, reducing manual effort, and streamlining internal workflows, significantly improving reporting efficiency, accuracy, and consistency
- Created detailed user guides for internal automation tools, enabling non-technical team members to operate them independently and reducing reliance on developers

Web Developer · Convia   *Oct 2024 – Dec 2024*
- Built UI features with **Elixir**, **JavaScript,** and **Tailwind CSS**, optimizing performance and cross-device compatibility
- Applied responsive design principles with **Tailwind CSS**, to ensure consistency across screen sizes

Web Developer · Shopr Live Inc.   *June 2023 – June 2024*
- Developed UI features using **Ruby**, **Ruby on Rails**, **JavaScript, Stimulus.js**, and **Tailwind CSS** to enhance UX
- Translated Figma designs into responsive **HTML**, **Tailwind CSS**, and **JavaScript**, improving usability and mobile compatibility
- Improved site performance via lazy loading, CSS sprite sheets, and image compression

EDUCATION

York University   *2019 – 2023*
Honours Bachelor of Science in Computer Science, First Class; CGPA 3.73/4.00

PROJECTS

Breezy
- Collaborated in the development of a full-stack app using **React**, **Material UI**, and **Tailwind CSS** for the frontend, and **Node.js** / **Express.js** for the backend
- Integrated Gemini API for AI generated text and OpenWeatherMap API for live weather data
- Containerized the app with **Docker** and hosted on **Google Cloud Platform**

Crypto Web App
- Built a responsive cryptocurrency tracking website using CoinCap API 2.0, **React**, and **Tailwind CSS** to display data for popular cryptocurrencies with near real-time tracking, updating every minute
- Implemented a light/dark mode toggle for a customizable viewing experience and set up **GitHub Workflows** for automatic deployment, ensuring seamless updates

SKILLS

Languages: Python, JavaScript, Elixir, Ruby, VBA, Node.js, SQL, HTML/CSS
Frameworks: React, Tailwind CSS, Ruby on Rails, Stimulus.js, Express.js
Libraries: pandas, Selenium, openpyxl, xlwings, requests, Matplotlib
Developer Tools: VS Code, Git, GitHub Workflows, Docker, Google Cloud Platform