

Lei Wu

✉ lw2002@hotmail.ca | 🏠 laywu.ca | 📁 github.com/imreallynameless | 🔗 linkedin.com/in/leiwuhoo

Skills

Programming Python, Java, C/C++, JavaScript, HTML, CSS/SCSS, SQL
Technologies Node.js, React, Express, WebSockets, MongoDB, Jira, Git, Figma

Education

Carleton University

Ottawa, ON

BCS in Computer Science Software Engineering Stream 4.0 GPA

Sept 2022 - Current

- **Courses:** Abstract Data Types and Algorithms, Fundamentals of Web Applications, Introduction to Software Engineering
- **Extracurricular:** Executive for Varsity Badminton & Badminton Club, Ultimate/Volleyball Intramural

Experience

Glimpse Social Inc.

Toronto, ON

UX/UI Designer

June 2022 - Current

- Designed flow, user interface, wireframes, and promotional content using **Adobe Creative Suite tools**, improving user engagement by 10%
- Crafted a support page on company website leveraging **HTML/CSS** and **JavaScript**, guiding users on navigating and utilizing the application
- Created an advertisement for product utilization tailored to business interfaces using **Figma** distributed in over **100** businesses

Carleton University

Ottawa, ON

Web Development Teaching Assistant

Sept 2023 - Dec 2023

- Taught **300+** students during in-person tutorials and office hours improving their performance
- Collaborated in a **team** setting with effective communication, ensuring smooth progress throughout the course without any delays
- Applied extensive knowledge of **Node.js, Express, WebSockets, and JavaScript** to offer guidance in approaching assignments effectively

DAQA

Los Angeles, CA

QA Analyst

Apr 2022 - Aug 2022

- Conducted **black box testing** on gameplay, graphics, audio, and UI components of undisclosed PC game titles to ensure high quality
- Constructed detailed bug reports in accordance with company procedures, **communicating** findings to the development team
- Provided insights on how the game could be **optimized** enhancing user enjoyment during gameplay

Shad Canada

Waterloo, ON

Shad Fellow

Jun 2019 - Jul 2019

- Developed **design thinking principles** by participating 40+ hours of design thinking workshops to problem solve effectively
- Collaborated as a team of 6 to create a feasible solution to the sustainability problem of reducing waste
- Presented a prototype band advocating for reusable bottle usage via positive reinforcement on social media

Projects

Personal Website

Dec 2023

- Designed a simple static website using JavaScript, HTML, and CSS aimed at deepening my comprehension of **React** frameworks
- Deployed the project on **Firebase**, incorporating a custom domain to enhance search engine optimization

Clean Vision

Mar 2023

- Trained an AI model using **OpenCV, Tensorflow**, and **Python** for identifying the waste type of the object currently in focus
- Enabled real-time updates to the user interface by leveraging **WebSockets** to establish connectivity between the client and server-side
- Winner of 100+ teams at Hack the Hill **Maker Con Challenge**, successfully developing an app that sorts through waste

Real-Time Stock Exchange Data Visualization

Jan 2023

- Processed over **200,000** data points stored in JSON files, parsing them to extract successfully processed transactions
- Built a web application using p5 capable of receiving data points through **WebSockets** to visualize stock transactions featuring a unique design
- Identified outliers within transaction data by applying statistical models to the data collected over the trading time frame

Keyword-Based Python Search Engine for Webpages

Oct 2022

- Built a web-crawler in **Python** to capture and parse webpage text, enabling the determination of search weightings
- Developed search query functionality involving **PageRank, cosine similarities**, and **TF-IDFs** to retrieve high ranking webpages
- Stored search quantities using various document database paradigms to improve runtime complexity

Badminton Club Website

Oct 2022

- Led the website relaunch, applying **HCI design principles** to elevate the user experience, increasing site traffic
- Crafted engaging promotional content using photographs captured during club activities, resulting in heightened interest in the club
- Optimized the website's performance by reorganizing and removing unused pages, reducing loading time by **20%**