

Lei Wu

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Skills

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

Education

Carleton University

Ottawa, ON

BCS in Computer Science Software Engineering Stream 4.0 GPA (12.0)

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

- Utilized **Adobe Creative Suite** programs to design flow, user interface, wireframes, and promotional content.
- Leveraged **HTML/CSS** and **JavaScript** to design a support page for the company website.
- Designed a business-interfacing guideline for product utilization distributed to over **100** businesses.

Carleton University

Ottawa, ON

Web Development COMP 2406 Teaching Assistant

Sept 2023 - Dec 2023

- Taught **300+** students through in-person tutorials and office hours.
- Worked in a **team** environment with to ensure that the course preceded smoothly.
- Applied in-depth knowledge of web development to provide students with valuable insights and guidance to tackle complex challenges.

DAQA

Los Angeles, CA

QA Analyst

Apr 2022 - Aug 2022

- Performed **black box testing** on gameplay, graphics, audio, UI, and more on upcoming unannounced titles.
- **Communicated** with the development team regarding bugs found with a detailed report.
- Provided input on how the game could be **optimized** for more enjoyable gameplay.

Shad Canada

Waterloo, ON

Shad Fellow

Jun 2019 - Jul 2019

- Developed **design thinking principles** to problem solve effectively over the course of 40+ hours of design thinking workshops.
- Collaborated as a team of 6 to create a feasible solution to the sustainability problem of reducing waste.
- Created a prototype of a band that promotes the use of reuse-able bottles through positive reinforcement in social media.

Projects

Personal Website

Dec 2023

- Designed a simple static website to further develop my understanding of **react** applications.
- Learned how to deploy projects on both Github pages and Firebase.

Clean Vision

Mar 2023

- Used **OpenCV**, **Tensorflow**, and **Python** to detect what the current material in focus is.
- Utilized **WebSockets** to provide real-time updates to the user interface.
- Winner at Hack the Hill **Maker Con Challenge** (100+ Challenge Participants).

Real-Time Stock Exchange Data Visualization

Jan 2023

- Read more than **200k** points of data in the form of JSON files which were parsed to receive the transactions that successfully processed.
- Built a web-app in p5 that can take in data points from **WebSockets** to display stock transactions with a unique solar system design.
- Used statistic analysis based on data stored throughout the time frame to find outliers within transaction data.

Keyword-Based Python Search Engine for Web Pages

Oct 2022

- Built a web-crawler in **Python** to capture and parse webpage text to determine search quantities
- Implemented search query functionality involving **PageRank**, **cosine similarities**, and **TF-IDFs**.
- Stored search quantities using various document database paradigms to improve runtime complexity.

Badminton Club Website

Oct 2022

- Led the relaunch of the website using **UX/UI design principles** to improve the user experience on the wix website.
- Took photos during events and club time to use as relevant promotional content.
- Reduced the loading time of the website by **20%** by reorganizing and removing unused pages.