Lei Wu

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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%**