Lei Wu

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

Skills

Programming	Python, Java, C/C++, JavaScript, HTML/CSS, SQL, R
Technologies	Node.js, React, Express, WebSockets, MongoDB, SPSS, Power BI, Docker/Kubernetes, Jira, Confluence, Git, Figma, Power BI

Education

Carleton University   *Ottawa, ON*

BCS in Computer Science Software Engineering Stream, Minor in Statistics 3.98 GPA   *Expected Graduation | April 2026*

- **Courses:** Design and Analysis of Algorithms, Abstract Data Types and Algorithms, Human Computer Interaction, Object Oriented Software Engineering, Operating Systems, Functional Programming, Database Management Systems, Fundamentals of Web Applications
- **Extracurricular:** VP Projects for Carleton Blueprint, Executive for Varsity Badminton and Badminton Club, Ultimate/Volleyball Intramural

Experience

CIBC   *Toronto, ON*

Project Coordinator Intern   *Sept 2024 - Current*

- Reconciled over **1M** in project financials to ensure budget adherence by identifying discrepancies to achieve compliance in managed projects
- Conducted weekly governance meetings to consolidate updates from project managers providing leadership with actionable insights
- Utilized **JIRA** and **Confluence** to track tasks and document project-related artifacts improving collaboration and project transparency

Carleton Blueprint   *Remote*

VP Projects   *Sept 2024 - Current*

- Initiated partnerships by reaching out to potential **NPOs** and assessing their ideas to secure projects that are aligned with club vision
- Recruited and led project teams with **Agile** methodology to deliver quality solutions within client constraints and timelines
- Decomposed complex client specifications into implementable technical requirements to improve developer velocity

Canadian Border Service Agency   *Ottawa, ON*

Data Analyst Intern   *May 2024 - Aug 2024*

- Extracted **100M+** records from the enterprise data warehouse using **SQL**, enabling seamless analysis for ad hoc purposes
- Implemented automated SQL query workflows to enable accurate real-time reliable enterprise data ensuring safety of the country
- Transformed raw SQL data into **Power BI** dashboard to visualize information in neatly organized interactive charts and pivot tables for clients

Glimpse Social Inc.   *Toronto, ON*

UX/UI Designer   *June 2022 - Dec 2024*

- 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

Projects

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