

Lei Wu

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Education

Carleton University

Ottawa, ON

BSC in Computer Science AI/ML, Minor in Statistics — 3.97 GPA

Expected Graduation | December 2026

- **Courses:** Design of Algorithms, Abstraction Data Types and Algorithms, HCI, OS, QA, Database Management Systems, Functional Programming
- **Extracurricular:** VP Projects for Carleton Blueprint, Executive for Varsity Badminton and Badminton Club, Ultimate and Volleyball Intramural

Experience

Shopify

Toronto, ON

Software Engineering Intern

May 2025 - Current

- Achieved an **80%** reduction in CSV product import time (10s → 2s) and **92%** in product delete time (60s → 5s) by optimizing Ruby on Rails backend pipelines through implementation of **batch processing** and elimination of **N+1** query issues significantly improving merchant experience
- Saved an estimated **1000+** engineering hours through the development of **automation** scripts to help reduce manual topthatching and QA time
- Authored technical documentation on internal AI tools, enabling a smoother integration of AI tooling across the engineering team

CIBC

Toronto, ON

Project Management Intern

Sept 2024 - April 2025

- Reconciled over **\$1M** in project financials weekly, identifying discrepancies to ensure budget compliance and maintain reporting accuracy
- Led weekly governance meetings to synthesize updates from project managers delivering actionable insights to executive leadership
- Utilized **JIRA** and **Confluence** to track tasks and document project-related artifacts improving collaboration and project transparency

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 workflows for real-time enterprise data access, improving reliability and decision-making support
- Transformed raw SQL data into interactive **Power BI** dashboards, enabling clearer client insights through charts and pivot tables

Glimpse Social Inc.

Toronto, ON

UX/UI Designer

June 2022 - Apr 2024

- Designed flow, user interface, wireframes, and promotional content using **Adobe Creative Suite tools**, improving user engagement by 10%
- Built a user support page with HTML, CSS, and JavaScript, guiding users through the product and reducing onboarding friction
- 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

- Conducted in-person tutorials and office hours for **300+** students, improving academic performance through personalized support
- 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

Portfolio

Jan 2025

- Implemented **serverless functions** with Cloudflare Workers to fetch data from the **Spotify** and **Riot Games** APIs, enabling real-time display of my account's currently playing song and Teamfight Tactics match history respectively
- Deployed the project on **Firebase** and other GCP tools, incorporating a custom domain to enhance search engine optimization
- Designed a simple website using JavaScript, HTML, and CSS aimed at deepening my comprehension of **React** frameworks and libraries

Clean Vision

Mar 2023

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

Community & Leadership

Carleton University Blueprint

Ottawa, ON

VP Projects

Sept 2024 - Current

- Led a 5-person team to build a hospital wait-time optimization tool (FLOW) for GTA hospitals using Mapbox and custom APIs
- Scoped and led development of a user-friendly membership and payment platform (JOCA) using React, Supabase, and Stripe
- Oversaw hiring and established engineering best practices across the organization, including CI/CD pipelines, linting, and tech stack

Skills

Programming

Python, Ruby, C, C++, JavaScript, TypeScript, HTML/CSS, SQL, Java, R,

Frameworks & Libraries

Rails, React, Next.js, Express, Flask, FastAPI, Selenium, Node.js, Vite, Bootstrap, Spring

Tools & Platforms

GraphQL, REST, MongoDB, PostgreSQL, MySQL, Docker, Kubernetes, GCP, AWS, Buildkite, Observe, Git, Figma