William Liu

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EDUCATION

BSc., Computer Science   Sep 2022 – Present
Western University   *London, ON*
- Cumulative GPA: 3.92/4.00 (91.3%), Dean's Honour List, Advanced Entry Opportunity to Ivey Business School
- **Relevant Courses:** Data Structures and Algorithms, Software Tools and Systems Programming, Computer Organization and Architecture, Applied Logic for Computer Science, Discrete Structures for Computing

SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML/CSS, SQL, XML, C
Frameworks: React, Next.js, Node.js, Express, Flask, TailwindCSS
Technologies: Git, MongoDB, Unix/Linux, Jira, Figma

WORK EXPERIENCE

Software Developer Intern   May 2023 – Aug 2023
Streamforge   *Remote*
- Maximized throughput for a Node.js data pipeline retrieving Twitter profile data to generate hundreds of aggregated views per minute through the implementation of concurrent asynchronous requests
- Generated over 800 potential sales leads for a cross-functional team by developing a NodeJS application to fetch upcoming game release data using the IGDB and Steam Web API
- Produced over 70 thousand clickthroughs to increase sales for the marketing of major video game titles such as Remnant II by reaching targeted audiences through the sponsorship of live streaming creators

UX Intern   Nov 2022 – Apr 2023
Cafezia Coffee   *London, ON*
- Decreased user bounce rate for company's online store by communicating key UI and UX research findings to the development team and leadership
- Identified multiple new strategies for customer acquisition including geographical targeting and search engine optimization based on analysis of company sales metrics

PROJECTS

Sunshelf | *Javascript, Next.js, Flask, MongoDB*
- Built a full-stack web application using JavaScript and Python to create exportable vocabulary flashcards through the upload and analysis of Japanese text documents
- Utilized the MeCab library to segment Japanese text and parsed an XML dictionary to retrieve definitions
- Implemented a robust RESTful API using Flask to handle CRUD requests on the backend

Momentune | *Typescript, Next.js, Python*
- Developed a web application using OpenAI and the Spotify API to analyze the emotion of photographs and generate Spotify playlists
- Implemented a mobile-first user interface on the front-end using Next.js and Typescript

Wealthsimple Product Review
- Built out and presented a new product feature to current Wealthsimple product manager that improves the onboarding of first-time investors as one of 29 fellows for the Western Product Society Fellowship

EXTRACURRICULARS

Design Lead   May 2023 – Present
Hack Western   *London, ON*
- Led a team of four to design UI/UX for the web presence of one of Canada's largest hackathons

VP Design   Oct 2022 – Apr 2024
Western Founders Network   *London, ON*
- Oversaw Western University's largest product design competition as event co-chair to increase participants by over 150% and negotiate partnerships with BMO and Accenture