

Carrie Lu

T: (416) 276-2315 E: carrielu02@gmail.com W: carrielu.me

SUMMARY OF QUALIFICATIONS

Languages: Java, Python, JavaScript, C, HTML/CSS, SQL

Technologies: Android, React, Vue.js, Node.js, GCP, AWS, Microsoft Azure, Adobe Creative Suite

WORK EXPERIENCE

Microsoft – Redmond, WA, United States

May 2023 – PRESENT

Software Engineer Intern, Intune Security

- Developing automation system for key rotation for CosmosDB and Redis caches using Azure Functions, Managed Identities, and PowerShell scripts, resulting in a 80% reduction in key rotation time and security risks
- Designing a scalable architecture that can handle high-volume workloads and seamlessly integrate with existing systems, by conducting in-depth user research and integrating load-balancing hash algorithms
- Improving security posture by ensuring that keys are regularly and securely rotated and monitored by Jarvis and Azure Application Insights, with a goal of 30% decrease in vulnerability exposure and reduction in unauthorized access.

Meta – Menlo Park, CA, United States

May 2022 – August 2022

Software Engineer Intern (Meta University), Facebook App Product Performance

- Spearheaded development of Spork, a social media and food/drink Android application built on Service-Oriented Architecture, from concept to launch, establishing 4 well-defined KPIs with high scalability and maintainability
- Incorporated Google Places API and Yelp API to design a hybrid of collaborative filtering and content-based filtering recommendation system, maximizing restaurant prediction accuracy and automating restaurant operations
- Applied a live query system to facilitate concurrent database updates in Parse Back4App Server, improving application performance by 70% based on user feedback
- Collaborated with Senior Software Engineer and Product Manager to formulate MVP and stretch user stories, optimizing accessibility and usability with 100% on-time record

The Diabetes App – Toronto, ON, Canada

May 2021 – September 2021

Front-End Developer and UI/UX Designer

- Designed and developed Version 2.0 of the web and mobile application using React, Vue.js, and Figma reaching a user base of over 12,000 users
- Site mapped and developed corporate site to gain investor relations in preparation for IPO using WordPress and GSAP3, receiving 500,000 CAD first-round investment
- Led desktop advertising project with CTO in partnership with Healthy Ads using Kevel API, Xandr API, and AWS, improving user traffic by 60%

LEADERSHIP EXPERIENCE

Women in Technology Society – London, ON, Canada

May 2022 – Present

Co-President

- Leads a cross-collaborative team of 35 students across 9 portfolios to accomplish the vision, strategy, and tactical plan for the organization, growing membership YoY by 23%
- Initiates bi-weekly in-person and virtual team meetings and monthly socials boosting morale and engagement of executive members by 40%, based on continuous student feedback programs
- Published [article](#), “Tapping from 6 Feet Apart: The Evolution and Rise of the Mobile Wallet Following the COVID-19 Pandemic” analyzing the impacts of COVID-19 on digital business transactions, receiving 5,000 views and click-throughs

PROJECTS

Hinge – Ivey Product Society

January 2023 – April 2023

Figma

- Chosen as one of 25 fellows in the inaugural cohort of Ivey Product Society’s fellowship, a 4-month bootcamp to gain a foundational education, hands-on experience, and tailored mentorship by PM leaders at TikTok, Adobe, and Google
- Utilized the lean product development process and conducted 10+ user interviews to craft a Product Review Document focused on developing a messenger co-pilot to enhance the compatibility of matches on Hinge

HomeSlice – Pearl Hacks 2022

February 2022

HTML, CSS, JavaScript, Bootstrap, Express.js, Google Distance Matrix API, CockroachDB

- Won Google Cloud: Best Use of Google Cloud API and Bandwidth: Best Communication and Community Hack
- Designed and developed a cross-platform web application to help students find affordable, best quality, off-campus housing, providing a user experience through advanced search integration using Google Cloud Platform
- Integrated Google Cloud Platform’s Distance Matrix API to develop an interactive map to return the closest housing option based on the user’s current location

EDUCATION

Western University | Ivey Business School – London, ON, Canada

September 2020 – April 2025

Bachelor of Science with Honours Specialization in Computer Science and Honors of Business Administration

Academics: 3.9/4.0 cumulative GPA