

Carrie Lu

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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

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

Ontario Ministry of Natural Resources and Forestry – Toronto, ON, Canada

May 2021 – September 2021

IT Systems Assistant, Quality Assurance & Quality Control

- Created and maintained high-quality, production-level script for product requirements using Groovy, Java, and Katalon Studio for Modernization of Property Information (MPI) search tool, increasing efficiency of requests by 25%
- Implemented and managed an extensional automation test framework of Agrisuite application for Phosphorus Loss (PLATO) Calculator used by 500+ organizations
- Prepared and presented monthly demos on UAT automation testing to the directors and senior managers of Land & Resources Cluster (LRC)

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

[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

[Safe Escape](#) – Pearl Hacks 2021

February 2021

HTML, CSS, JavaScript, Bootstrap, echoAR, Spotify API

- Won Amazon: Most Customer Obsessed Hack Sponsor Prize
- Built a virtual travel platform in HTML and CSS that allows users to visit cities around the world and brings the cultural craft works of each unique city to the comfort of their homes
- Used echoAR to generate Augmented Reality (AR) 3D models of landmarks and implemented Spotify API to provide a more realistic, and immersive user-experience

EDUCATION

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

September 2020 – April 2024

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

Academics: 3.9/4.0 cumulative GPA