

Karishma Shah

Computer Engineering Student

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Toronto, ON

Skills

Languages: C++, Java, Python, C, JavaScript, Go, SQL, HTML, CSS, Bash

Tools: Django, Flask, gRPC, NodeJS, React/Redux, Express, DynamoDB, PostgreSQL, MongoDB, Git, AWS

Education

University of Toronto

BASc, Bachelor of Applied Science and Engineering – Computer Engineering

Sept 2020 – May 2025

Experience

Software Engineer Intern – Amazon – Toronto, ON

May 2023 – Sept 2023

- Leveraging **AWS tools** such as S3, Lambda and SQS to seamlessly integrate the popular Learning Management System, Genome, with over 100k trainings into Amazon's Learn Catalog – centralized datastore containing data of various LMSs allowing users to search and enroll in trainings and learning paths at a single location. Launched this integration to Production

Software Engineer Intern – Intuit – Toronto, ON

Jan 2023 – Apr 2023

- Introduced **multiplayer technology** to a conversation design platform, allowing users to design, prototype, and ship conversations together in real-time using **YJS framework** and **websocket protocols**
- Took the initiative to lead and ship industry-standard collaboration features such as **embedded commenting, live cursor movements, temporary cursor chats** in the Alpha launch – using **React** and **Jotai** for state management

Software Engineer Intern – Bolt Financial Inc. – San Francisco, CA

May 2022 – Dec 2023

- Led a Donations project which introduces dynamic donation add-ons to checkout runtime – fulfilling request from merchants summing up to **200M+ GMV**
- Building backend APIs in **Go** to integrate donation functionality with various cart platforms using **AWS(DynamoDB)** and **GraphQL**, and introducing a new facelift to the donations UX designs using **React, Redux**
- Built the first default gifting flow for guest and logged-in shoppers which allowed shoppers to checkout with the recipient and sender information all prefilled in one place – **prevented merchant churn** and facilitated their launch with Bolt
- Troubleshooting **address validation** issues with Loqate AVS, proposed and executed the improvements
- Dealt with ambiguous product requirements and worked cross organization to formalize a clear scope

Software Developer Intern – RBC Ventures – Remote, CA

Sept – Dec 2021

- Worked as a full-stack developer for Venture Shared Services, created a **“Book of Records” API** which acts as the single source of information related to start-ups acquired by the RBC Ventures such as Ampli and Mydoh – using **NodeJS, Typescript, React, Sequelize**

Projects and Activities

BlueSurf

Developed of a UofT events web app, streamlining event discovery, and boasting participation across hundreds of clubs. Implemented features like auth, search, filter, sort, and led Frontend efforts for a stellar UI/UX experience – **React, Flask, PostgreSQL, SQLAlchemy**

eyesUP

Developed a facial tracking device that helps combat distracted driving behaviours using the Viola-Jones Algorithm, Raspberry Pi-zero, in **Python** – **Most Innovative Company of the Year Award Winner** – Global Junior Achievement companies

The Posity Company

Developed a **web application** that filters stories through conventional news channels and display only the positive ones to improve mental health

KCoin

Created my own cryptocurrency and ICO on the Ethereum blockchain, coded an ERC-20 and ICO smart contract using Solidity

Awards

Jeffrey Skoll Scholarship [2023], Scrymgeour Scholarship in Engineering Entrepreneurship [2022], RBC Future Launch Scholarship [2022], UofT COVID-19 Student Engagement Award [2020], Dean Merit Scholarship [2020]