

Eric Dam

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EDUCATION

Bachelors in Computer Engineering,
University of Ottawa
Ottawa, Canada

SKILLS

Languages/Frameworks

Java, Javascript/Typescript, Python, SQL, C, C++, React, Angular, Node, ExpressJS, Jest

Technologies

Redux, GraphQL, MongoDB, Apache Kafka, MS Azure, Docker, Firebase, Jenkins, Git Cucumber

PROFESSIONAL EXPERIENCE

Unity Technologies, Software Engineer Intern

May 2022 – Aug 2022

Montreal, Canada

- Constructed and deployed 7+ **advertising experiments** on Unity's ad network to 2+ billion users
- Increased **Installation rate of application's by 3%** through creation of custom frontend components and animations in **TypeScript** with **React**
- Tracked metrics for 7+ A/B testing experiments and wrote experiment Unit tests using **Jest**

Loblaw Digital, Software Engineer Intern

May 2021 – Dec 2021

Toronto, Canada

- Overhauled company landing page with homepage redesign for **1.4 million** users monthly
- Increased web-app customer account sign-in by **36.38%** and e-flyer site usage by **50%** using **React**, **Redux** and Contentful
- Wrote unit tests using **Cucumber** and along with Regression testing for stability

John Hancock Financial, Backend Software Engineer Intern

May 2020 – Aug 2020

Toronto, Canada

- Implemented new **GraphQL** queries connected with **MongoDB** to increase database access speeds of application by over **50%**
- Engineered API scaffolding and pipeline for application using **Nest.js** and **Jenkins**
- Deployed REST API's with **Microsoft Azure** allowing for service access for application

Innovapost, Software Engineer Intern

Jan 2020 – Apr 2020

Kanata, Canada

- Increased throughput of system by over **125%** and inhibited system throttling error through the removal of 1000 event/sec limit on event manager for online package tracker with **242 million** users monthly with **Microsoft Azure**
- Developed using Java with **Apache Kafka** through the use of Event Hubs deployed through **Azure Dev-Ops**

Health Canada, Software Developer Intern

May 2019 – Aug 2019

Ottawa, Canada

- Developed a licensing web application using **Thymeleaf**, **Java** and **Spring MVC** with **6000+** products licensed annually
- Increased **testing speeds by 25%** through writing automated test scripts using **Selenium** WebDrivers and Integrated **web service API's**

PROJECTS

EventQR

- Spearheaded development of a mobile application for uOttHack2023 through a participant tracker, overseeing a team of 3 as **Development lead**.
- Leveraged **React Native** connected with **Firebase** to design a user-friendly and efficient mobile application that streamlined QR code scanning for **500 hackers** and created a CLI tool with **Python** for QR Code initialization

HemoAnalytics | MLH Category Winner uOttahack 2020

- Developed a blood test analyzer that utilizes Google Cloud Vision API to read test results, which are then seamlessly translated into dynamic graphs through the implementation of KendoUI.
- Used **Express** for back end and **React** based front-end

PresCrypto | MLH Category Winner HackTheNorth 2019

- Developed a prescription file sharing web app offering a secure interface between patients and medical professionals with a decentralized database (Gaia) to store **blockchain** type data
- Developed using **Javascript** with **React** libraries hosted on **NodeJS** backend with Blockstack API

ADDITIONAL EXPERIENCE

uOttHack, Development Team Lead and Sponsorship Coordinator

2022 – 2023

Asian Canadian Association of uOttawa, President

2020 – 2023

Software Engineering Student Association, Executive Council

2019 – 2021

Student Z Tutoring, Computer Science Tutor

2020 – 2021

Ottawa South United Soccer, Soccer Coach

2023

Google, Google Tech Challenge 2nd Place

2019

Manulife, Pitch Challenge Winner

2020