

# Eric Dam

✉ ericdam.net ✉ edam3268@gmail.com in Eric Dam

## 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

- 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**

May 2022 – Aug 2022  
Montreal, Canada

### Loblaw Digital, Software Engineer Intern

- 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

May 2021 – Dec 2021  
Toronto, Canada

### John Hancock Financial, Backend Software Engineer Intern

- Implemented new **GraphQL** queries connected with **MongoDB** to increase database access speeds of application by over 37%
- 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

May 2020 – Aug 2020  
Toronto, Canada

### Innovapost, Software Engineer Intern

- Increased throughput of system by over **3.5%** 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**

Jan 2020 – Apr 2020  
Kanata, Canada

### Health Canada, Software Developer Intern

- Developed a licensing web application using **Thymeleaf**, **Java** and **Spring MVC** with **6000+** products licensed annually
- Increased **testing speeds by 23.6%** through writing automated test scripts using **Selenium** WebDrivers and Integrated **web service API's**

May 2019 – Aug 2019  
Ottawa, Canada

## STARTUPS AND PROJECTS

### Jasmine AI, Startup | June 2023 - Present

- Developed a user-friendly and intuitive **AI ChatBot**, enabling seamless property and real estate searches through natural language conversations leveraging **React** along with **Flask**, **PostgreSQL** and **ChatGPT API**

### League of Legends AI Champion Creator

- Developed and implemented a LOL Champion AI Creator **React** web app utilizing **Next.js**, that automates the dynamic generation of champion profiles through processing user input
- Leveraged OpenAI's **Natural Language Processing API** and Stability.AI's **Image Generation API**

### 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

**John Hancock Financial**, Pitch Challenge Winner

2020

**Google**, Google Tech Challenge 2nd Place

2019