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*   May 2022 – Jun 2023
- Constructed and deployed 7+ **advertising experiments** on Unity's ad network to 2+ billion users   Montreal, Canada
- Increased **Installation rate of application's by 3%** through creation of custom frontend components and animations in **TypeScript** with **React**
- Tracked metrics for 10+ A/B testing experiments and wrote experiment Unit tests using **Jest**

Loblaw Digital, *Product Manager Intern*   May 2021 – Dec 2021
- Overhauled company landing page with homepage redesign for **1.4 million** users monthly   Toronto, Canada
- 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
- Implemented new **GraphQL** queries connected with **MongoDB** to increase database access speeds of   Toronto, Canada 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

Deloitte, *Software Engineer Intern*   Jan 2020 – Apr 2020
- Increased throughput of system by over **3.5%** and inhibited system throttling error through the   Ottawa, Canada 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
- Developed a licensing web application using **Thymeleaf**, **Java** and **Spring MVC** with **6000+** products   Ottawa, Canada licensed annually
- Increased **testing speeds by 23.6%** through writing automated test scripts using **Selenium** WebDrivers and Integrated **web service API**'s

📁 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, TailWind, PostgreSQL** and OpenAI's **Natural Language Processing API**

League of Legends AI Champion Creator
- Developed 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 uOttaHack2023 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

uOttaHack, *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