

Yash Kapoor

ASPIRING INNOVATOR AND SOFTWARE DEVELOPER

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Technical Skills

Languages: Python, JavaScript, C, C++, HTML/CSS, SQL, Racket

Tools/Frameworks/Libraries: React, Express, Node.js, AWS, Git, GraphQL, MongoDB, MySQL, Firebase, Redux

Experience

BlackBerry

May 2023 - Aug 2023

Software Developer Intern - Cylance Guard Team

Mississauga, ON

- Utilized **AWS SQS & Lambda** to implement a serverless architecture for **real-time threat detection** orchestrating **22 million** alerts daily
- Leveraged **DynamoDB Streams & AWS SNS** to handle **large-scale data processing** and identify changes in **tenants' device health** resulting in improved scalability
- Developed robust **REST APIs** with **Node.js & GraphQL** pinpointing client **weaknesses against cyberthreat** enabling customers to **promptly rectify issues** and **enhancing system reliability**

Qoom

Jun 2021 – Sep 2021

Full-Stack Software Developer Intern

San Francisco, CA

- Built an **authentication app** purposed at enhancing safer digital interactions by using **facial recognition**
- Increased **cyber security** through implementing **facial landmark** detection technology
- Achieved an identification accuracy of **87% in over 200 tests** by utilizing **Face-API.js** paired with **Node.js, Express, and MongoDB**

Node App

Jul 2020 – May 2021

Software Engineer Intern

Waterloo, ON

- Created an **admin managing software** to approve & review influencers and businesses during onboarding
- Developed a streamlined internally connected system offering access to every company, user, and their activity in a visually simple format to **improve organizational productivity and efficiency by 33%**
- Built **AWS Lambda Functions** to extract data from **Cognito User Pools & MySQL** database to connect with the **React.js** frontend using **Amazon API Gateway**

Projects

FRASER | MERN, Face-API.js, React Router & Chakra-UI

- Created a multi-factor authentication process enabling businesses to **protect sensitive information** by using facial recognition
- Aimed at tackling the issue of rising cybercrime and ransomware attacks (**up 3000% since 2020**) by utilizing facial data which is unique to each individual

Beacon | MERN, Firebase Auth, Bootstrap & Mapbox Geocoder API

- Developed a **crowd-sourced COVID-19 relief platform** which leverages data provided through community input on product stock levels & lines
- Tested at **50 grocery stores** in the GTA area to facilitate purchase of essential items and limit large gatherings amidst the pandemic
- Implemented geolocation technology to find nearest points of interest for customers

Achievements

XHacks Organizer - One of Canada's largest student-held Hackathons with over 1000 international participants

Most Viable Startup Award - Hack The North East 2021

Most Innovative Project Award - ST Hacks 2021

Blue Service Promise Award for Excellent Customer Service - Loblaws Real Canadian Superstore

Education

University of Waterloo

Waterloo, ON

Bachelor of Computer Science

Graduating May 2025

Courses: Data Structures & Algorithms, Computer Organization & Design