Rahma Gillan

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Skills

Programming Languages

`JavaScript` `C++` `SQL` `Python` `Java`

Tools/Libraries

`Git` `React` `Next.js` `Node.js` `AWS` `GCP`

Education

Bachelor of Computer Science · **University of Waterloo**   Sept. 2019 - Aug. 2024 (expected)

- Relevant courses: Data Structures, Database Management, Algorithms, OOP, User Interfaces.

Work Experience

Software Engineering Intern · **AirMatrix**   Toronto, Ontario · Jan. - Apr. 2021

`C++` `JavaScript` `Go` `SQL` `gRPC` `AWS` `Node.js` `React` `Express` `MAVLink` `PostgreSQL`

- Reduced drone communication **latency by 700%** by implementing **gRPC** endpoints.
- Implemented a **Kafka producer** to stream **2 times more telemetry data**.
- Scaled set up process to accommodate concurrent drone requests with a **blocking queue**.
- Removed **5000 lines of code** redundancies with abstraction.

Software Engineering Analyst · **Accenture**   Toronto, Ontario · June - Aug. 2020

`JavaScript` `Python` `Git` `AWS` `React` `Flask` `REST API` `Docker` `Hyperledger` `Jira` `SCSS`

- Developed a proof of concept for the storage and transfer of decentralized health data.
- Utilized **Hyperledger Aries** and **Indy** to store health credentials within a trustworthy and user-centric **blockchain network**.
- Optimized REST API endpoints to improve **response times by 33%** to fetch COVID-19 vaccine and test information.

Web Development Intern · **Science City**   Windsor, Ontario · June - Aug. 2019

`JavaScript` `Git` `HTML` `CSS` `Bootstrap`

- Rebuilt the organization's website providing more relevant and up to date information to visitors, increasing day camp **inquiries by 300%**.

Leadership

Development Lead · **Clove**   Waterloo, Ontario · Apr. 2021 - Present

`JavaScript` `Next.js` `Firebase` `Git` `GCP` `MaterialUI` `Formik`

- Developed secure eco-labels for customers to embed into their websites as an HTML iframe.
- Designed and implemented the architecture for custom forms to streamline assessments.

Logistics Team Lead · **Hack the North**   Waterloo, Ontario · Mar. 2020 - Present

- Led the logistics team in planning Canada's biggest hackathon with **3000+ participants**, 100+ mentors, and 50+ volunteers.