

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 the setup 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.