

RAHMA GILLAN

Computer Science & Business Double Degree Student @ the University of Waterloo

WORK EXPERIENCE

Accenture · Software Engineering Analyst · Toronto, Ontario · 06/2020 - 08/2020

- Used **React.js** and **Python** to develop and pitch a proof of concept solution to the storage and transfer of health data
- Utilized **Hyperledger Aries** and **Indy** to store health credentials within a trustworthy and user-centric **blockchain network**
- Improved **response times by 33%** by optimizing **REST API** endpoints in **Python** to fetch data from DynamoDB about vaccines and tests
- Created modular components to complete functional pages: viewing your passport and health card digitally, sharing information with a border agent, and viewing consolidated health data **increasing the scope of use cases**

Canada South Science City · Web Developer · Windsor, Ontario · 06/2019 - 08/2019

- Rebuilt the organization's website from scratch using **HTML**, **CSS**, and **JavaScript** providing more relevant and up to date information to visitors increasing day camp **inquiries by 300%**
- Researched and produced a new rock exhibit utilizing 2 boxes of unused inventory

PERSONAL PROJECTS

Flock · Hack the 6ix · 08/2020

Firestore

React.js

Video calling web app and browser extension with custom break times

- Created **Firestore endpoints** to display statuses and emotes during calls
- Integrated **Twilio API** into the application to complete functioning video calls

BicyEco · ElleHacks · Most Creative Radar.io Hack · 02/2020

Node.js

React.js

Bike-sharing web app concept connected to an Arduino bike lock

- Tracked locations and created geofences with **Radar.io** and **Google Maps API**
- Implemented front-end functionality to determine the state of the lock

Hop To It · Personal Project · 04/2019

Swing

Java

Top-down Alice in Wonderland themed maze game

- Used **object-oriented programming** for player interactions and collisions
- Developed a tool to automatically generate graphic mazes from .txt files

EXTRACURRICULARS

Hack the North · Logistics Organizer · Waterloo, Ontario · 03/2020 - Present

Canada's biggest hackathon with **3000+ attendees**

- Collaborated to lead registration and judging for the event

CodeReach · Python Tutor and Organizer · Windsor, Ontario · 06/2017 - 05/2018

Computer science club for elementary school students to learn coding

- Taught **Python** fundamentals with visual representations in **Pygame**

CONTACT



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SKILLS

Programming Languages

JavaScript, Java, Python, C, C++, R

Tools/Libraries

React.js, DynamoDB, MongoDB, Docker, AWS, Node.js, Pygame, Git

Non-Technical

Agile Development, Problem Solving, Leadership, Communication

EDUCATION

Bachelor of Computer Science

University of Waterloo · 2024 (expected)

Awards

- Sampriti Devi Ray Scholarship

Relevant Coursework

- Object-Oriented Software** C++
- Algorithms & Abstraction** C
- Functional Programming** Racket

Bachelor of Business Administration

Wilfrid Laurier University · 2024 (expected)

Awards

- BDO New Venture Competition
1st Place out of 250+ · 04/2020
- Changemaker Innovation Challenge
3rd Place out of 150+ · 03/2020
- HP Canada Case Competition
2nd Place out of 250+ · 11/2019

INTERESTS

Chess, Bouldering, Soccer, Puzzles, Hackathons, Debate