Khalil Virji

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EDUCATION

McGill University   Montreal, QC
B.Sc Major Mathematics and Computer Science   *Graduation: 2022*
- **GPA**: 3.88/4.0
- **Relevant Coursework**: Algorithms, Data Structures, Operating Systems, Software Design, Information Privacy

EXPERIENCE

CloudOps   Monteal, QC
Cloud Developer Intern   *05/2021 - 08/2021*
- Used Java and Spring Boot to develop features on a public facing API
- Worked with Vue.js, MySQL, Elasticsearch, and testing frameworks such as Jest, Spock, and JUnit
- Improved monetization of the platform by allowing discounts and credits to be applied to monthly invoices

Sensequake   Montreal, QC
Web Developer   *5/2020 - 09/2020*
- Created a faster web portal for clients using Node.js, Express.js, MongoDB, HTML, and CSS
- Worked with AWS services including S3, Lambda, and EC2
- Implemented an automated modal analysis algorithm and real-time vibration plots from raw sensor data

Traction on Demand   Montreal, QC
Developer Intern   *01/2020 - 03/2020*
- Studied the Salesforce platform in depth with an emphasis on application development and customization
- Developed interactive lightning components, automated workflows, and analysis algorithms for clients
- Applied my knowledge by achieving over 50 Trailhead badges and becoming proficient in writing Apex code

McGill University   Montreal, QC
Teaching Assistant for COMP 250: Introduction to Computer Science   *9/2019 - 12/2019*
- Constructed weekly quizzes and assignments related to course material for over 650 students
- Helped students develop core computer science fundamentals by holding weekly office hours

PROJECTS

Automated Temperature and Humidity Monitoring   Personal Project 2021
Arduino, Node.js, MongoDB, ESP32 microcontroller, RHT03 sensor   *Current Project*
- Implementing an automated temperature and humidity monitoring system for restaurants
- Working on issues such as increasing battery life, robustness, visualizing data, and error handling

RFID Touchless Checkout System   Personal Project 2020
Java, Linux, Sargas UHF RFID reader, UHF RFID tags, ultrasonic sensors
- Engineered a component that is able to accurately and simultaneously scan all items in a grocery cart

Legends of Andor   Group Project 2020
Java, XML, Spring Boot, Android Studio, IntelliJ   *github.com/khalilv/LegendsOfAndor*
- Developed a multiplayer, turn-based, mobile game for Android devices with an in-game chat room

CERTIFICATES AND AWARDS

Tomlinson Engagement Award for Mentoring, McGill University 2021
Saleforce Certified Platform Developer 1, 2020
MTA: Database Fundamentals Certified, 2019

OTHER TECHNICAL SKILLS

Object Oriented Programming, Python, JavaScript, Bash, Git, IoT, Android Development, CI/CD