

# Khalil Virji

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## EDUCATION

### McGill University

*B.Sc Major Mathematics and Computer Science*

Montreal, QC

*Graduation: 2022*

- **GPA:** 3.88/4.0
- **Relevant Coursework:** Algorithms, Data Structures, Operating Systems, Software Design, Information Privacy

## EXPERIENCE

### CloudOps

*Cloud Developer Intern*

Montreal, QC

*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 Spock, Jest, and JUnit
- Improved monetization of the platform by allowing discounts and credits to be applied to monthly invoices

### Dynamic Integration Technologies

*Co-Founder and Software Engineer*

Montreal, QC

*06/2020 - 02/2021*

- Engineered and developed a core component for an RFID touch-less checkout system
- Worked with RFID readers, tags, and antennas, as well as various analog sensors and WiFi microcontrollers
- Learned entrepreneurial and management skills required in launching a startup

### Sensequake

*Web Developer*

Montreal, QC

*5/2020 - 09/2020*

- Used Node.js, Express.js, MongoDB, HTML, and CSS to develop an improved web portal for clients
- Worked with AWS services including S3, Lambda, and EC2
- Implemented an automatic modal analysis algorithm and real-time vibration graphs from raw sensor data

### Traction on Demand

*Developer Intern*

Montreal, QC

*01/2020 - 03/2020*

- Studied aspects of the Salesforce platform including app development, security, and database architectures
- Improved clients business processes by developing interactive lightning components, automated workflows, and analysis algorithms
- Applied my knowledge of Salesforce by achieving over 50 Trailhead badges and becoming proficient in writing Apex code and SOQL queries

## PROJECTS

### Automated Temperature and Humidity Monitoring

*Arduino, Node.js, MongoDB, ESP32 microcontroller, RHT03 Sensor*

Personal Project 2021

*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

### Legends of Andor

*Java, XML, Spring Boot, Android Studio, IntelliJ*

Group Project 2020

*[github.com/khalilv/LegendsOfAndor](https://github.com/khalilv/LegendsOfAndor)*

- Developed a multiplayer, turn-based game for android devices using Android Studio, Spring Boot and IntelliJ

## CERTIFICATES AND AWARDS

**Tomlinson Engagement Award for Mentoring**, McGill University 2021

**Salesforce 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