

Khalil Virji

 github.com/khalilv  [linkedin.com/in/khalilvirji](https://www.linkedin.com/in/khalilvirji)  khalil.virji1@gmail.com  khalilv.github.io

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

Sensequake

Web Developer

Montreal, QC

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

Developer Intern

Montreal, QC

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

Teaching Assistant for COMP 250: Introduction to Computer Science

Montreal, QC

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

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

Touch-less RFID checkout system

Java, Linux, Sargas UHF RFID reader, UHF RFID tags, ultrasonic sensors

Personal Project 2020

- Engineered a component that is able to accurately and simultaneously scan all items in a grocery cart

Legends of Andor

Java, XML, Spring Boot, Android Studio, IntelliJ

Group Project 2020

github.com/khalilv/LegendsOfAndor

- Developed a multiplayer, turn-based, mobile game for Android devices

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