

## CAREER OBJECTIVE

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Seeking a junior developer position to put in practice what I have learned in my personal and university projects and my summer internship at Morgan Stanley.

## SKILLS

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Programming: Java, Python and some knowledge in C and C++

Web: HTML, CSS, Vue.js and some knowledge in JavaScript

Tech: Git, Spring Boot, Umple, Eclipse, IntelliJ, VS Code, Cucumber

Languages: French (spoken and written), English (spoken and written), Arabic (spoken and written)

## EDUCATION

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B Eng Computer

February 2024

McGill University – Montreal, Quebec

Relevant Coursework: OOP, Model-based programming, Algorithms and DS, Rest API, OS, Software Validation

## INTERNSHIP

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Technology Summer Analyst Program

May 2022 – August 2022

Morgan Stanley – Montreal, Quebec

- Application tracing with Open Telemetry and Jaeger and logging with Loki and Fluent Bit
- Using the Open Telemetry SDK, configured the Jaeger exporter, Otel sampler and global tracer and added spans to a Spring Boot application to observe them on the Jaeger UI
- Configured Fluent Bit to send the application's log file to Loki and observed logs in Grafana

## PROJECTS

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Contribution to Microscope-Cockpit

January 2023 – December 2023

Capstone Design Project – Over two semesters [Link to the project](#)

- In a team of three, extended the Python package Microscope to include handlers for the ASI stage
- Implemented functions in the ASISStage class to move the stage in the X, Y, Z direction by sending string commands to the serial connection
- Configured the ASISStage class to run as a device server and configured Cockpit to run with a depot file

Online Grocery Store

January 2022 – April 2022

Coursework – Semester-long project [Link to the project](#)

- In a team of six, built an online grocery store where customers can order items and log into their account and where employees can view their shift schedules
- Use of Spring Boot's Rest API to make calls to the persistence layer, the framework Vue.js for the web interface, PostgreSQL database to store data and Gradle as the build tool
- Integration tests and unit tests for both the persistence layer and service endpoints
- Deployed the application on Heroku

ClimbSafe Application in Java

September 2021 – December 2021

Coursework – Semester-long project [Link to the project](#)

- With four teammates and using GitHub as the version-control system, developed a Java application to register members, guides, equipment and equipment bundles into a system that organizes climbing seasons
- Identified constraints and developed the backend and front-end using a MVC pattern