

Sergio Najm

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EDUCATION

McGill University

Bachelor of Arts in Computer Science, Minor in Statistics

Montreal, Qc, Canada

Sept. 2021 – May 2025

EXPERIENCE

Incoming Software Developer Intern

Coveo

Sept. 2023 – Dec. 2023

Montreal, QC, Canada

- As an intern on the Commerce Searchandizing team, my primary focus will be on developing a SaaS product that enables businesses to integrate AI-powered search capabilities for enhanced personalization and recommendations. Utilizing technologies such as React, TypeScript, Java, Kubernetes, and AWS, I will actively contribute to the design and implementation of innovative solutions that optimize the customer experience.

Fullstack Developer

CodeJam

June. 2023 – Dec. 2023

Montreal, QC, Canada

- Working as a full-stack developer within a team of 7 people to develop a fully-featured website that will act as a hub for hundreds of participants during a weekend-long hackathon.

Used: React, JavaScript, SCSS, Netlify

Software Engineer Intern

IBM

May 2023 – Aug. 2023

Montreal, QC, Canada

- Developed innovative demos utilizing drones and ground robots, effectively engaging potential clients.
- Integrated advanced computer vision and machine learning models for accurate anomaly detection in industrial sites.
- Utilized Python, ROS, and Docker for efficient coordination and optimal performance of the system.
- Implemented SLAM algorithms and cutting-edge robotics technologies for autonomous mapping and navigation.
- Collaborated with the Edge Computing team, improving demo experiences and increasing client satisfaction.

Used: Python, ROS2, Docker, AWS

Software Developer Intern

SpaceBridge Inc.

June 2022 – Aug. 2022

Saint-Laurent, QC, Canada

- Developed an automated test suite using python for quality testing of satellite communication channels.
- Reduced hardware testing time from 4 months to under 48 hours by replacing old manual testing standards with automated ones.
- Designed a user-friendly Jenkins interface with over 20 customizable test parameters to streamline test execution.
- Reduced the time that it takes to diagnose system bugs by over 60%.

Used: Python, Bash, Jenkins, JavaScript

PROJECTS

Bakery E-commerce Website ([GitHub](#)) | *Next.js, Javascript, Sanity CMS, Stripe, TailwindCSS*

- Built an e-commerce website for a bakery using Next.js, integrating Sanity CMS for seamless content management and Stripe for secure payment processing.

Emotion.ly - Emotion Based Playlist Generator ([GitHub](#)) | *React, Flask, Spotify API, Python NLTK*

- Built as part of the McGill CodeJam Hackathon.
- Built a web application that creates a music playlist based on emotions extracted from user text input.

Personal Website ([GitHub](#) - [Website](#)) | *TypeScript, React, Next.js, TailwindCSS, Framer Motion, Git*

- Built a portfolio website using Next.js to showcase experience and knowledge using modern tools.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, HTML, CSS, R, Bash

Technologies: React, Next.js, Node.js, Express.js, Flask, Git, Docker, AWS, Jenkins

Developer Tools: Jira, Trello, Confluence