

# Sergio Najm

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## EDUCATION

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### McGill University

*Bachelor of Arts in Computer Science, Minor in Statistics*

Montreal, Qc, Canada

Sept. 2021 – Dec. 2024

### Vanier College

*Diploma of College studies in Commerce*

Montreal, Qc, Canada

Aug. 2019 – May. 2021

## EXPERIENCE

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### 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.
- Used **REST APIs** to configure system information and interact with a Network Management System.
- Collaborated within the Verification & Validation team using **Git, JIRA and Confluence** to build testing software for satellite communication hardware.
- Reduced hardware testing time from **4 months to under 48 hours**.
- Designed a user friendly **Jenkins** interface with **over 20 customisable** test parameters in order to streamline test execution
- Built **scalable and reusable** testing software to easily reproduce testing conditions for **easier bug detection**.
- Reduced the time that it takes to diagnose system bugs by **over 60%**.

Used: Python, Bash, Jenkins, JavaScript, REST & SOAP APIs

### Software Team Member, Autonomous Underwater Vehicle

*McGill University Robotics Team*

Sep. 2022 – Present

*Montreal, Qc, Canada*

- Collaborated with more than a dozen team members in the development of software for an autonomous underwater vehicle used in international competition.

## PROJECTS

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### Quiz Buzz | *JavaScript, HTML, CSS, React, Bootstrap, Git*

Sept. 2022

- \* Developed a trivia web application using React as the frontend.
- \* Used question data from The Open Trivia Database API to serve users with interesting questions from 8 different categories.

### McGill Course information API | *Python, Flask, Git*

Oct. 2022

- \* Built a web scraper in order to retrieve course information data from various official McGill websites to serve users with up-to-date details regarding course prerequisites, descriptions and scheduling.
- \* Built as a part of an in progress team project that consists of developing a better short and long term course scheduler for McGill students.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C, JavaScript, TypeScript, HTML/CSS, R

**Frameworks:** React, Node.js, Flask, Material-UI, Bootstrap, TailwindCss, Express.js

**Developer Tools:** Git, Bash, Jira, Confluence, Jenkins