

# Vahid Foroughi

Montreal, QC – Bilingual/bilingue

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## EDUCATION

**Carleton University**, Canada

B.Eng., Software Engineering 2019 – 2024

4.0 GPA

Dean's Honours List 2019 – 2024

## EXPERIENCE

**Teaching Assistant** – Carleton University

Sep 2023 - Apr 2024

Assisting engineering students studying Computation and Programming, and Data Management.

**Full Stack Developer** – Versaterm

May – Aug 2023

Developed a microservice for 9-1-1 operators to track the time to call for emergency services across cities in North America (Informix 4GL, Linux, PostgreSQL, Redis). Incorporated the microservice within two front-end applications enabling all 9-1-1 operators to view routing data in real time (C#, .NET, Redis).

**Web Developer** – Kongsberg Geospatial

Sep – Dec 2022

Developed new features for the web viewer of the IRIS airspace management system allowing customers to access the service from web and mobile browsers (Bootstrap, Docker, JavaScript, RabbitMQ, Sass).

**Full Stack Developer** – Communications Research Centre Canada

Jan – Aug 2022

Developed a REST API to cache and access geospatial data in the cloud (AWS, Docker, DynamoDB, Flask, Linux, Python, React).

**Business Quality Analyst** – ISED Canada

May – Aug 2021

Oversaw the deployment, installation, and testing of SPECTRA code drops helping to better manage Canada's frequency spectrum. Formulated queries to facilitate the updating of spectrum licenses (MySQL).

**Research Intern** – Carleton University Department of Electronics

Jun – Aug 2020

Designed, analyzed, and documented TX CTLE, FFE, and DFE channel equalization methods for signal responses and pseudorandom bit sequences.

## PROJECTS

**University Course Scheduler** – [Github](#)

Sep 2023 - Apr 2024

Worked as a Frontend Developer on an engineering project to develop a new scheduling tool for Carleton University students to facilitate course selection and registration (React, Python, AWS).

## PROGRAMMING LANGUAGES

Java, Python, JavaScript, React, C, C#, PHP, HTML, CSS, Sass, SQL, Informix 4GL

## TECHNOLOGIES

AWS, Azure, Bootstrap, Docker, DynamoDB, Flask, Git, Jira, jQuery, JUnit, Linux/Unix, MQTT, MySQL, .NET, NumPy, OpenCV, PostgreSQL, PyTorch, RabbitMQ, Redis, REST, Spring, Visual Studio