

Vahid Foroughi

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EDUCATION

Carleton University, Ottawa, ON

B.Eng., Software Engineering – graduating Spring 2024

GPA: 3.91/4.0

Dean's Honours List 2019 - Present

Teaching Assistant for Computation and Programming, and Data Management (Sep 2023 - Apr 2024)

WORK

Versaterm – *Full Stack Developer Intern*

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). Interfaced two front-end applications to make use of the backend service enabling all 9-1-1 operators across North America to view routing data in real time (C#, .NET, Redis, Visual Studio).

Kongsberg Geospatial – *Web Developer Intern*

Sep – Dec 2022

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

Communications Research Centre Canada – *Full Stack Developer Intern*

Jan – Aug 2022

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

ISED Canada – *Business Quality Analyst Intern*

May – Aug 2021

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

Carleton University Department of Electronics – *Research Intern*

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](#)

Working as a Frontend Developer on an engineering project to develop a new scheduling tool for Carleton University that generates students different schedules based on course load (React, Python, AWS).

Engineering Project Management System – [Github](#)

Designed and developed a web application for professors and students to facilitate their final year project selection and registration (Java, Spring, JavaScript, Azure).

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, PostgreSQL, RabbitMQ, Redis, REST, Spring, Visual Studio