# 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 2020 - Present | |

**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, FEE, and DEF channel equalization methods for signal responses and pseudorandom bit sequences.

**Projects**

**Elevator Simulator** – Github
Multithreaded concurrent real time elevator control system for an academic project (Java).

**Password Generator API** – Github
Full stack application with API to generate randomized passwords (Flask, Python, React).

**Monopoly** – Github
Object-oriented Monopoly versus AI opponents for an academic project (Java).

**CLI Image Editor** – Github
Command line tool to edit images by manipulating pixel RGB values (Python).

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

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