

# Nirmith Victor D'Almeida

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## EDUCATION

### Carleton University

Ottawa, ON, Canada

*Bachelor of Computer Science: Cyber-Security Stream Honours*

*September 2019 - September 2024*

- **Awards:** Entrance Scholarship, Faculty Scholarship
- **Activities:** Participated and mentored in multiple hackathons hosted by CCSS and came 2nd in Battle snake competition hosted on Feb 2023
- **Relevant Modules:** Design and Analysis of Algorithms, Wireless Network and Security, Principles of Computer Network and System Security, Transaction Processing System, Operating System, Intelligent Web-based Information Systems (REST API, HTTP) , Web Development, Relational Database Management System (DBMS), Object Oriented Programming (OOP)

## WORK EXPERIENCE

### Automation Test Engineer Intern

*Dayforce, ON, Canada*

*September 2022 - April 2023*

- Adopted code review practices for test automation scripts, enhancing code quality, and ensure above 90% passing rate for tests
- Implemented test scripts using **SpecFlow**, **FitNesse**, and **C#** improving feature coverage by nearly 10%
- Developed and executed cross-browser and cross-platform automated tests using SpecFlow and FitNesse, ensuring consistent functionality across different environments and devices
- Revised **Azure** documentation to enhance software deployment across various OS systems, improving overall efficiency and compatibility.

### IT Intern

*Bahrain Royal Flight, Bahrain*

*May 2022 - August 2022*

- Assisted in installing, configuring, and maintaining personal computers to match the required IP configurations as per the server setup.
- Developed dynamic databases and software features using **VB .NET** and **SQL**, to improve overall functionality of system software.

### Software Developer Intern

*Assent, ON, Canada*

*September 2021 - December 2021*

- Employed best coding practices to develop and deploy Assent internal web tools and micro-services used by multiple teams with **JavaScript** and **Typescript**.
- Collaborated effectively with the software development team across multiple departments to develop additional features using **C#** and **JavaScript**.
- Created API documentation using **Swagger**, enabling developers to understand API pathways effectively, leading to enhanced development processes and increased productivity.

## PROJECTS

- **Library Management System**, Created a **Python** user Interface to model a Library Management System for Admin and client user's to interact with and view information based on books in inventory. Utilized Entity Relationship diagramming principles, **RDBMS** concepts using **SQL** to prevent creation of duplicate and redundant data and Source Control such as **GitHub** to revert back commits to successful deployed features. [GitHub](#)
- **Movie Database**, Developed a user-friendly GUI powered by **Node.js** and **Express**, providing a seamless experience for users. Implemented efficient iteration over collections stored in **MongoDB** and utilized template engine **Pug** to render content. Implemented robust authentication and verification mechanisms to enhance security and promote best practices in encryption. [GitHub](#)
- **Heart Rate Monitor**, Developed a software prototype for a Heart Rate Stimulation Device, which involved exploring the various capabilities of the device before physical product design and understanding of user requirements. Successfully implemented the prototype using **C++**, **Qt** framework and **Git** Version Control, while actively revising and practicing comprehensive testing scenarios to ensure its functionality and reliability [GitHub](#)

## TECHNICAL SKILLS

**Tools and Languages:** VsCode, Github, Git, Python, C++ , Java, JavaScript, HTML5, AJAX, BootStrap, C, C#, CSS, REST API

**Databases and testing Frameworks:** PostgreSQL, SQLPlus, SQL, Specflow, Fittesse, MongoDB, Jest

**Frameworks and Misc:** Express, NodeJS, ReactJS, TypeScript, .Net, JUnit, Heroku, Netlify, Latex, Windows, Linux, Docker, Swagger, Jira, Jenkins