

ALI FARAHMAND

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EDUCATION

George Brown College

Sep. 2018 - April. 2021

Ontario College Advanced Diploma in Computer Programming and Analysis

GPA: 3.9/4.0

- Dean's Honour List, 2019 - Present
- Relevant coursework: Spring boot (Java), Full-Stack Development, Open-Source Development (Python), Data Science, DevOps, Mobile Application Development, Data Structures and Algorithms, Agile Software Development
- Teacher Assistant for .NET, Data Structure, Spring boot, and Java courses.

WORK EXPERIENCE

INFRAR3D

Dec. 2020 - Present

Backend Developer

Toronto

- Designed and developed middleware, using **RESTful** web services based on a centralized schema which is consumed by hundreds of users.
- Created and managed a **Docker** deployment pipeline for custom application images in the cloud using **Jenkins**
- Worked on **Continuous Integration/Continuous Delivery** pipeline for **Django REST** Azure Cloud Services using **CHEF**.
- Used **Py Unit** framework for performing unit testing.
- Used **Gitlab**, **GIT** for version control and coordinating with the team.

R&D Department of George Brown College - The Daniels Corporation

Feb. 2020 - Sep. 2020

Research Assistant - Full Stack developer

Toronto

- Built Single Page Applications (SPA), Responsive Web Design (RWD) UI, Rich Restful Service Applications, and HTML Wireframes using **HTML5** Grid Structures/Layouts, **CSS3** Media Queries, **Ajax**, **Django Templates** and **Bootstrap**
- Developed an Android/iOS mobile application using **React-Native**, responsible for creating efficient design and developing User Interaction screens Leveraged Google Firebase for mobile app push notifications.
- Responsible for development of various components such as tab bars, map view, image picker, date picker, push notifications, signin/out features, profile management and navigation using React-Native.

R&D Department of George Brown College - Proxima Escape Room

Nov. 2019 - May. 2020

Research Assistant - Software developer

Toronto

- Built an integrated system to be used in an Smart Escape Room using Microcontrollers as slaves and Raspberry Pi as the Master integrating with a web application controlling system .
- Used **Spring Boot Actuator** to monitor and configure the hardwares in production environment.
- Developed embedded **C/C++** code on Arduino to interact controller according to requirements

Smart Connected Buildings Lab of George Brown College

Feb. 2019 - Nov. 2019

Research Assistant - Software developer

Toronto

- Developed and built a Home-based smart system to monitor and control physiotherapy rehabilitation exercises using Kinect Microsoft **C** SDK and **AWS** IoT (Alexa)
- Developed a Software with GUI on Kinect SDK using **WPF** to interact with user

PROJECTS

- **Event Registration Web Application** – Developed an event registration with waiting list system platform using **Spring boot (JAVA)** and **MongoDB** with **RESTful routing**, where users can reserve, register, and rate and comment after being authenticated. Implemented all of the stages of the project from schema design, routing, authentication and deployment while considering common security issues
- **Maze Generator - Python** – Utilized multiple elimination-solving algorithms to help minimize the time complexity of the recursive algorithm | Implemented a **recursive backtracking algorithm** to create a one solution maze problem by testing all possible paths towards a solution

SKILLS

Languages	Python, JavaScript/ES6, C#, Java, PHP, HTML/CSS, SQL
Tools & Frameworks	Django, Node.js, React, React-native, REST APIs, MySQL, NoSQL, AWS