Burhan Faquiri

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EDUCATION

Sheridan College   September 2019 – December 2023

Honours Bachelor of Computer Science
- Extracurricular: President of the Computer Science Club, Teaching Assistant, Recipient of Alumni Award of Excellence & Sheridan Student Union Academic Award of Excellence
- Relevant Coursework: Data Structures and Algorithms, Software Design, Operating Systems, Object-Oriented Programming, Advanced Networking, Android Development, Virtualization & Software Defined Networks
- Graduated with High Honours Award, GPA: 3.93

WORK EXPERIENCE

Centre for Applied AI & Naryant   January 2024 – April 2024

Software Engineer & Data Analyst Intern
- Used SUMO and OpenStreetMap to model and analyze traffic patterns across 10+ urban zones, enhancing data accuracy for urban projects
- Developed a Selenium and Python web scraper to extract demographic data for Oakville, aiding in urban planning

FreshBooks   May 2023 – August 2023

Dev-Ops Engineer Intern
- Transitioned CI/CD pipelines to Microsoft Azure DevOps, utilizing Docker, Kubernetes, and Helm charts, boosting developer productivity and reducing errors
- Published custom Azure DevOps tasks on Visual Studio Marketplace, improving developer experience and reducing development time
- Achieved a 34% optimization in build time for FreshCLI, enhancing performance for multiple microservices
- Templated Azure pipelines, promoting best practices and code reusability, resulting in improved developer productivity and error reduction

TD Bank   January 2023 – April 2023

Android Developer Intern
- Contributed to the development and maintenance of the Android TD Bank app using Java, Kotlin and the Android SDK to build responsive and dynamic user interfaces in Jetpack Compose and MVVM architecture
- Implemented HCI guidelines and best practices, resulting in over 90 million visits and a 51% click rate
- Worked with an Agile team to realize project requirements and implement solutions in place to satisfy them
- Utilized JUnit and Mockito for robust unit testing to ensure code stability and quality

Centre for Applied AI & GEOTAB   September 2022 – December 2022

Software Engineer & Data Analyst Intern
- Engineered a front-end city maintenance website using Svelte JS with the city of Kingston
- Executed geospatial queries on Google BigQuery and filtered GeoJSON data for efficient data analysis
- Constructed RESTful backend endpoints using MyGeotab SDK, integrating with the UI to ensure efficient data processing and real-time updates

SIRT Centre   May 2022 – August 2022

Software Engineer Intern
- Developed AR applications for iOS devices, applying best practices for 3D avatar manipulation
- Conducted research and tested emerging AR tools with Unity in C# and ARKit
- Authored detailed documentation outlining research findings and effective AR development techniques

PROJECTS

<u>Chamealeon</u>
- Designed and developed a customized meal plan web app with backend REST endpoints using C# with a front end written in React powered by ASP.NET and .NET core

TECHNICAL SKILLS

Programming Languages: Python, C#, Kotlin, Java, JavaScript, C++, Swift
Frameworks/Tools: Git, Azure DevOps, Gradle, Jenkins, Unity, .NET Core, React, Spring, SQL, JIRA, Docker, Kubernetes