Burhan Faquiri

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EDUCATION

Sheridan College September 2019 – December 2023

Honours Bachelor of Computer Science, Minor in Mobile Computing

- 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

- Utilized SUMO and OpenStreetMap to model and analyze traffic patterns across 10+ urban zones, significantly enhancing data accuracy for urban development projects, utilizing XML datasets
- Engineered a Selenium and Python-based web scraper to extract comprehensive demographic data for Oakville, aiding in informed urban planning

FreshBooks May 2023 – August 2023

Dev-Ops Engineer Intern

- Led the successful transition of CI/CD pipelines to 100% Microsoft Azure DevOps, resulting in enhanced developer productivity and reduced 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

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

BetterFit - Capstone Project

- Designed and developed a first-place award-winning iOS app with SwiftUI, SceneKit, and Google Cloud Firestore, featuring A.I.-powered 3D workout demonstrations and plans

TECHNICAL SKILLS

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