

Ali Umar



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Objective

Motivated computer science student seeking a summer CO-OP position as a Software Developer. Seeking an entry level position in order to learn industry standard software development practices, system design and to upgrade my problem-solving skills.

Education

- York University – Honors BSc, Computer Science (Sept 2021–present)
- Seneca College – Diploma, Computer Engineering Technology (Sept 2018-2021)

Work Experience

Software Developer CO-OP

Ministry of Government & Consumer Services (Jan 2020 – August 2020)

- Day to day: Attending meetings, reading documentation, incorporating features into the front-end codebase such as: [filtering, searching, retrieving data], bug fixing, refactoring, Shell scripting/PowerShell
- Worked with a team of four to deliver features on an existing internal data driven dashboard written in Angular with a .NET backend
- Worked with a team of four to deliver a completely *new* internal data driven dashboard written in Angular with Elasticsearch as the backend

Security Guard

G4S Canada (Jan 2018 – May 2019)

- De-escalation, conflict resolution, communication, customer service, issued parking tickets under MLEO license, responding to emergencies [medical, flooding, fire alarm] and following site procedure

Technical Skills

- Foundational Knowledge: General programming concepts, Data Structures & Algorithm applications, Relational database design, Networking concepts: Client/Server, OSI model, RESTful APIs, Basic system design
- Programming languages: C, C++, Python, JavaScript/TypeScript, Java, C#
- Frameworks/Libraries: Angular, React, Express, .NET, Flask
- Various tools/technologies: Git, SQL, Various relational database solutions [MS SQL Server, Oracle SQL Developer, SQLite], Cloud solutions (Azure, AWS), basic shell scripting, basic Makefiles

Assets/Certifications

- AZ-900: Microsoft Azure Fundamentals
- Drivers License – G Class

Interests

- Software design patterns
- Signal processing
- Systems programming
- Architecture of large distributed systems and the problem space that occurs with distribution
- Rust Lang
- Video game design & programming
- Assembly Language & C Programming for IoT Applications
- Win32 API programming
- Network programming/Socket Programming