

# Ali Umar



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## Objective

College graduate and present computer science student seeking full-time employment as a Junior Software Developer. Seeking an entry level position in order to learn industry standard software development practices, system design and improve my problem-solving skills.

## Education

- York University – Computer Science, BSc (September 2021 – present)  
Toronto, Ontario, Canada
- Seneca College – Computer Engineering Technology (September 2018 – August 2021)  
GPA: 3.7/4.0  
Toronto, Ontario, Canada

## Work Experience

### Software Developer CO-OP

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

- Core technologies used and learned: Angular Framework, HTML/CSS, TypeScript/JavaScript, Elasticsearch, Azure DevOps
- 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. Features such as search functionality and filtering were implemented on the application that was written in Angular with a .NET backend and MSSQL database
- 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#, .NET
- 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, Elasticsearch, Basic Makefiles

## Assets/Certifications

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

## Interests

- Software design patterns
- 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