

Ali Umar



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Objective

3rd Year Computer Engineering Technology student on track to graduate seeking full-time employment as a Junior Software Developer. Seeking an entry level position in order to learn industry standard software design practices, dev-ops, and to further my overall skillset in this ever-changing world of tech.

Education

- Algoma University – Computer Science, BSc (September 2021 – present)
Sault Ste. Marie, Ontario, Canada
- Seneca College – Computer Engineering Technology (September 2018 – August 2021)
GPA: 3.7/4.0
Toronto, ON, Canada
- UofT Scarborough – Computer Science (Sep 2016 – Jan 2018)
Toronto, ON, Canada

Work Experience

Ministry of Government & Consumer Services (Jan 2020 – August 2020) - Software Developer CO-OP

- Core technologies used and learned: Angular Framework, HTML/CSS, TypeScript/JavaScript, RxJS JavaScript library, Elasticsearch search engine API, 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 Single Page Application. Features such as search functionality and filtering were implemented on the application 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 Single Page Application written in Angular with Elasticsearch API as the backend

G4S Canada (Jan 2018 – May 2019) – Security Guard

- De-escalation, Conflict resolution, Communication, issued city 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, programming paradigms [OOP, Procedural, Imperative], ability to read documentation to teach myself various technologies, Relational database design, Networking concepts: Client/Server, OSI model, REST APIs
- Programming languages: C, C++, Python, JavaScript/TypeScript, Java, C# w .NET framework, Visual C# w .NET
- Frameworks/Libraries: Angular, React, RxJS, NodeJS, React, ASP.NET, .NET, Express.js, Windows Forms Designer, Puppeteer, Cheerio, NextJS
- Various technologies: Git, SQL, MS SQL Server, Oracle SQL Developer, Azure DevOps, AWS EC2, Postman, basic shell scripting, Elasticsearch API, Makefile

Assets

- Drivers License G

Interests

- Software design patterns
- TDD
- Systems programming
- Architecture of large distributed systems
- Rust Lang
- Video game design & programming
- Assembly Language & C Programming for IoT Applications
- Win32 API programming
- Socket programming [Winsock/POSIX]