Anas Mohamed

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Work Experience

DevFacto   Edmonton, AB

Junior Developer   Jan 2019 – Aug 2019

- Worked as a developer/consultant on a variety of internal & external facing projects.
- Had the chance to work with several senior engineers and project managers. Learning in-depth about **Project Management**, **Client Communication, and Agile Development**.
- Joined the development of an internal inventory geo mapping application utilizing **.NET MVC, Entity Framework, and Leaflet.js**.
- Designed & developed with a team, a versatile questionnaire system for commercial use by client. Used **.NET Core, SQL Server, React (TypeScript)**

Education

EXPECTED GRADUATION: 04/31/2021

Bachelor's of Science Specialization in Computing Science

University of Alberta, Edmonton, AB

Relevant *Coursework:*   Major GPA: 3.05/4.0

- Intro to Software Engineering - **Android, Software Processes , Object Oriented Analysis & Design**
- Operating System Concepts - **Multi-threading**, **Process Scheduling, Sockets/Pipes**
- Algorithms I - Algorithms analysis - **Runtime Analysis**, Graphs, **Programming Paradigms**, etc.
- Data Structures & Algorithms - C/C++, Big O notation, **Abstract Data Structures**.

Skills

Programming/Frameworks	.NET (C#), Python, C/C++, Android (Java), React (TypeScript)
Tools	Source Control (Git & TFS), VS Code, Vim, Linux
Databases	SQL Server, SQLite

Projects

SPAW (Personal Project)   **GitHub**   **Documentation**

- SPAW is an Unofficial API Wrapper for Streamable - A popular video hosting website, done in **Python3**
- It has three main functionalities: Upload a Video, Import a Video, and Retrieve a Video.
- Skills gained**: RESTful APIs, pip & API Documentation, API Wrapping**

Medigram (Class Project)   GitHub

- An Android app in which patients keep track of their medical symptoms. Their care provider can also view that information.
- Worked in a 6 person team, utilizing Agile methodologies to organize the project.
- Skills gained**: Software Development Cycle, Android (Lifecycle, Offline Storage, etc.)**

Find Your MLA (Personal Project)   GitHub

- A **Flask (Python)** web app, that returns the Member of Legislative Assembly of Alberta of a selected district.
- Utilizes **SQLite3** for database querying. The database itself was generated from web scraping the MLA Directory.
- Skills gained**: Back-end Development (Flask), Front-end Development (HTML, CSS, JavaScript), Embedded SQL.**

Activities

Microsoft FT3c Coding Competition (Entree) September 26, 2017

- University of Alberta - Edmonton, Alberta
- A Microsoft hosted on campus coding competition.

University of Alberta Open House - Computing Science Booth (Volunteer) October 2017

- Universiade Pavilion - Edmonton, Alberta
- Answered the questions of prospective students, and explained what Computing Science as major entails.