Yousif Zito

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Education

McMaster University | Hamilton, ON Expected May 2025
Bachelor of Technology in Software Engineering Technology
Relevant Coursework: Data Structures & Algorithms, Operating Systems, Object-Oriented Programming, Computer Security, Parallel Programming, Software Requirements and Specification

Seneca College | Toronto, ON Sep 2019 – Aug 2022
Advanced Diploma in Computer Engineering Technology with Honours
Relevant Coursework: Advanced C Programming, Obj. Oriented C++ Programming, Event Driven Programming, Advanced Programming Concepts in C#, Engineering Codes and Practice, Engineer Technology and Design
Cumulative GPA: 3.60/4.00
President's Honour List: Fall 2020, Summer 2021, Summer 2022, for achieving a term GPA of 4.0/4.0.

Projects

Full-Feature Flask Blog Fall 2023
Personal Project - GitHub | Demo

- Created a feature-rich web blog application with Flask and Python.
- Focused on modularity and user security to ensure a scalable and secure user experience.
- Utilized Flask, templates, and blueprints for organized code structure.
- Integrated Flask-Bcrypt for secure password hashing and user authentication.
- Implemented user authentication and account management, including registration, login, password resetting, and profile picture upload features.
- Enabled CRUD operations for blog posts to facilitate content management.

Online Shop Using C# .NET Fall 2021
Seneca College, Advanced Programming Concepts Using C# - GitHub

- Designed and developed a scalable online shopping solution using C# .NET, adhering to OOP principles.
- Created a thread-safe console-based server with user authentication and exception handling capabilities.
- Employed multiple protocol standards for managing user connections, product inventory, and order processing.
- Developed a fully functional, thread-safe GUI using Windows Forms, integrating a login form and shopping interface.
- Applied concepts such as concurrent collections, multithreading, interfaces, classes, and the Single Responsibility Principle (SRP) to enhance functionality and maintain code integrity.

Lottery Checker Using Python CGI Summer 2021
Seneca College, Programming Python with the Raspberry Pi - Demo

- Developed a dynamic web application to simulate the functionality of an OLG lottery scanner for the 6/49 lottery.
- Constructed an intuitive HTML form (Client) allowing users to select a set of 6 numbers from Canada's Lotto 6/49 lottery, complete with customizable background colors.
- Implemented a Python CGI server to efficiently retrieve and parse the latest lottery results for the 6/49 lotto from online sources, determining if user-selected numbers corresponded to any winning combinations.
- Deployed the project on a server for seamless accessibility to users across various platforms.

Skills

Programming: Python, C# .NET, C/C++
Web Technologies: HTML, CSS
Development Tools: GitHub, Git, SVN, Unix, Visual Studio, VSCode, PyCharm
Databases: SQLALchemy, MS SQL Server
Operating Systems: Windows, Mac OS, Linux (Ubuntu, Debian, Red Hat), OpenVMS
Hardware Platforms: Raspberry Pi, ARM MBED Microcontroller
Languages: Fluent in English, Chaldean, and Arabic