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

Seneca College | Toronto, ON *Sep 2019 – Aug 2022*
Advanced Diploma in Computer Engineering Technology with Honours
Cumulative GPA: 3.60/4.00 | President's Honour List Fall 2020, Summer 2021, Summer 2022

Skills

Programming: Python, C/C++, C#, .NET, SQL
Web: HTML, CSS
Tech: GitHub, Git, SVN, Unix, Visual Studio, VSCode, PyCharm, MS SQL Server, MS Office Suite
Platforms: Windows, Mac, Linux (Ubuntu, Debian), Red Hat (Fedora), OpenVMS
Hardware: Raspberry Pi, ARM Mbed Microcontroller
Communication: Design proposals, technical reports, instruction manuals, presentations.
Languages: English, Chaldean, Arabic

Projects

Full-Feature Flask Blog *Fall 2023*
Personal Project - GitHub | Demo
Developed a feature-rich web blog application using Flask and Python, leveraging various technologies and libraries to ensure a robust and interactive user experience. The project is designed with a fully modular architecture for easy maintainability.

- Utilized Flask, templates, and blueprints for code organization.
- Integrated Flask-Bcrypt for secure password hashing, user authentication, and database management.
- Implemented a user authentication system, enabling user registration, login, and password resetting.
- Implemented user account management, including user information updates, secure password resetting, and profile picture upload functionality.
- Enabled CRUD operations for blog posts.

Online Shop Using C# *Fall 2021*
Seneca College, Advanced Programming Concepts Using C# - GitHub
This project was part of the coursework, and the goals of the project were to develop an online shopping solution that could handle multiple users and multiple requests at once using TCP socket from C# .NET framework while following single responsibility principle of the OOP.

- Developed thread-safe console-based server for the online shop application with capability of validating the user's credentials and handling exceptions.
- Implemented multiple protocol standards to handle user connections, authentication, products, current orders, incoming purchases, and sending appropriate messages to the client-side based on the requests.
- Designed fully functional thread-safe GUI for the client-side using Windows Forms. The implementation of the client-side GUI consisted of login form and shopping interface.
- Some of the concepts used in this project were concurrent collections, multithreading, interfaces, classes, and SRP principle.

Lottery Checker Using Python CGI *Summer 2021*
Seneca College, Programming Python with the Raspberry Pi
This project was individual based which emulates the OLG lottery scanner for 6/49.

- Created an HTML form (Client) to allow users to select a background color set of 6 numbers from Canada's Lotto 6/49 lottery for the user to input lottery numbers.
- Implemented Python CGI server, that retrieved the lottery results for 6/49 lotto from the internet to determine if the selected user numbers have won a prize.
- Then deployed the project on a **server**