Yousif Zito

Brampton, ON
(647) 385-7950 ● YousifZito@gmail.com ● GitHub ● LinkedIn ● Portfolio

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

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# .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
Communication: Design proposals, technical reports, instruction manuals, presentations

Projects

Full-Feature Flask Blog *Fall 2023*
Personal Project - GitHub | Demo
Created a feature-rich web blog application with Flask and Python, focusing on modularity and user security. By prioritizing modular design and implementing robust security measures, I ensured 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 functionalities, including registration, login, password resetting, and profile picture upload.
- 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 an online shopping solution using C# .NET, with a strong emphasis on scalability and adherence to object-oriented programming principles. By prioritizing modularity and efficient code design, I ensured the application's ability to handle increasing user demands while maintaining code integrity and flexibility.

- Created a thread-safe console-based server with user authentication and exception handling capabilities.
- Implemented multiple protocol standards for handling user connections, product management, and order processing.
- Designed a fully functional and thread-safe GUI using Windows Forms, featuring a login form, and shopping interface.
- Utilized concepts such as concurrent collections, multithreading, interfaces, classes, and the Single Responsibility Principle (SRP).

Lottery Checker Using Python CGI *Summer 2021*
Seneca College, Programming Python with the Raspberry Pi - Demo
As an individual project, I developed a dynamic web application to emulate the functionality of an OLG lottery scanner for the 6/49 lottery. This project showcased my proficiency in web development and server-side scripting.

- Created an intuitive HTML form (Client) enabling 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.
- Successfully deployed the project on a server for seamless accessibility to users across various platforms.

Languages: Fluent in English, Chaldean, and Arabic