

# 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

### 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 features, 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 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