

Mourad Sherif

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PROFILE

A driven and outgoing student who enjoys programming and CS-related topics. Launched a personal programming blog documenting Python and C++ learning journey, as well as Unity game development. Created many side-projects in Python and experimented with frameworks like Flask. Co-founded Fundamental Wealth, a startup focused on assisting North American students in finding a career in finance.

EDUCATION

High School Diploma

Sep 2021 - Jun 2025 (Expected)

Waterloo Collegiate Institute, Waterloo, ON

WORK EXPERIENCE

Co-founder

Jul 2023 - Oct 2023

Fundamental Wealth, Waterloo, ON

- Delegated a team of five, ensuring tasks like cold outreach were completed smoothly.
- Conducted early market and user research and consulted team members for developing business MVP.
- Assisted in social media marketing by creating scripts and researching potential content ideas.

Volunteer

Jun 2022 - Jul 2022

Royal City Soccer Club, Waterloo, ON

- Oversaw campers aged 5-13 years old, ensuring a safe and playful work environment for all campers and staff.
- Collaborated with staff in organizing and ending camp activities, increasing productivity by 50%.

PROJECTS

Nubb++ (Compiler w/ BASIC dialect)

C++

- A complete compiler featuring a lexer, parser and emitter, taking Nubb++ code (dialect of BASIC) and emitting C++ code, which can then be compiled to machine code. Supports basic statements and functionality (IF, WHILE, GOTO/LABEL, PRINT, INPUT, etc.)
- Used C++ structs, forward-declarations to link components, and file IO operations with `<fstream>` header.

Stellarscape

C# (Unity), Blender

- A 3D, fast-paced FPS built on the Unity game engine and C#, using techniques like instantiation and interpolation.
- Experimented with 3D modeling using Blender to create and modify 3D models to be used in-game.

Pomobozo

Python, Tkinter, Pyinstaller

- An easy-to-use pomodoro timer built on Tkinter and Python.
- Used pyinstaller to package files into a functional executable for others to use.
- Created an experimental login system using file reading/writing operations.

SKILLS

Intermediate in: Python, C# (Unity)

Basic in: C++, Git, GitHub, HTML