George Ghobros

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Profile

Native proficiency in English and French (oral and written) | Excellent communication skills | Demonstrated leadership skills | Team player | Creative and innovative | Responsible and well organized | Critical thinker | Ambitious | Hard-Working | Detail-Oriented | Problem solver

Education

Sept 2023 – April 2027 – Specialist in Computer Science from the University of Toronto
Pursuing a Specialist in Computer Science with a current GPA of 4.0
Sept 2019 – June 2023 – École Secondaire Catholique Sainte-Famille
Ontario Secondary School Diploma (OSSD) - overall average of 96%
Completed the IB Diploma Programme (DP) and earned a bilingual IB Diploma

Work Experience

Quality Analyst Intern – Digital Platforms and Cybersecurity division

Alcohol and Gaming Commission of Ontario May 2024 – August 2024

- Validated that over 2000 licenses were properly converted by automating license conversion testing using TestComplete and Python Selenium.
- Reduced sanity test time by 90% by automating tests on the iAGCO public portal using TestComplete and Python Selenium.
- Wrote and executed 750+ test cases on Azure DevOps to validate updates made to various web apps such as Salesforce, Enterprise Resource Planning (ERP), QMS and other digital products.

Camp Instructor

University of Toronto May 2023 – Aug 2023

- Led campers to grow and innovate in a safe environment.
- Planned and executed diverse, age-appropriate activities.
- Coordinated multiple large events and received recognition for excellent planning and execution.

Projects

Treemap Data Visualization Tool

Python, Recursive Algorithms, Object-Oriented Programming

- Developed an interactive tool to visualize hierarchical data structures as treemaps using Python.
- Implemented recursive tree operations and geometric algorithms to dynamically generate proportional visualizations of file system structures, research datasets, and data from JSON and CSV files.
- Utilized Python's OS library for file system traversal and Pygame for rendering a graphical interface that allowed real-time data manipulation and visualization.
- Designed modular, inheritance-based classes to support multiple hierarchical data types, including file directories, research papers, and structured data from CSV and JSON files.

Efficiency Evaluation of Sorting Algorithms

C++, Time Complexity, File Handling, Memory Management

- Evaluated the performance of Bubble, Selection, and Insertion sort algorithms across best, average, and worst-case scenarios.
- Analyzed time complexity and resource usage to compare algorithm efficiency.
- Implemented file handling and memory management techniques to process input data and optimize performance in a C++ environment.

Skills

Object Oriented Programming | Data Structures and Algorithms | Python | C/C++ | Java | Kotlin | React | MongoDB | SQL | Azure DevOps | PyCharm | IntelliJ | | Visual Studio | Git | TestComplete | Selenium | RISC-V Assembly Programming | Excellent knowledge of the Google and Microsoft Office suites

Awards and Certifications

Microsoft Certified: Azure Fundamentals (AZ-900) | TestComplete certification from Smart Bear | 2023 Baxter Global Scholarship | University of Toronto Scholarship | Professional Engineers of Ontario Coding Challenge (3rd Place) | Sololearn Certified in Python, C, C++ and Java