

Yasmeen Elbik

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[GitHub](#) • [LinkedIn](#)

SUMMARY OF QUALIFICATIONS

- **Driven Computer Science Student:** With specialization in Software Engineering, with a passion for developing impactful solutions and a strong focus on continuous growth and collaboration.
- Proficient in Java, C, Python, with solid foundation of Object-Oriented Programming Principles.
- Strong knowledge of data structures and algorithms.
- Familiar with SQL and Linux, including creating and executing Bash shell scripts for file management and process control.
- Certified through Udemy in Introduction to Machine Learning, Cybersecurity and Cloud Computing AWS, covering fundamentals and strengthening my foundational knowledge in key tech areas.

TECHNICAL SKILLS

- **Programming Languages:** Java, C, Python, React/JS, Node.js, Three.js, SQL.
- **Version Control:** Git, GitHub.
- **Methodologies:** OOP, PowerShell.
- **Operating Systems:** Linux (Ubuntu), Windows.
- **Tools & Technologies:** Terminal, Visual Studio Code, IntelliJ IDEA/WebStorm, Eclipse, Spigot API, Excel.

EDUCATION

Bachelor of Computer Science (Honours) With Software Engineering Specialization - Co-op

Sep 2023 - Present

University of Windsor, Windsor, ON

Relevant Course Work:

- Object-Oriented Programming in Java, Data Structures and Algorithms, Systems Programming in C, Software Development, Web Development.

ACADEMIC PROJECTS

Student Record Management System | C Language

March 2024

Visual Studio Code, Windsor, ON

- Designed and implemented a linked list structure for efficient student record management, ensuring records are sorted by ID.
- Verified sorted order of records using assertions after each operation.
- Managed dynamic memory allocation and deallocation to prevent memory leaks.
- Developed functionalities for adding, removing, and finding student records while ensuring data integrity.

Word Concatenation Linked List | C Language

March 2024

Visual Studio Code, Windsor, ON

- Engineered a linked list to store words input by the user, dynamically creating nodes for each word until the termination keyword "Stop" is encountered.
- Executed efficient string concatenation without using strcat, ensuring linear time complexity $O(n)$ for processing input words.
- Created a memory deallocation routine to free all nodes in linked list, preventing memory leaks and optimizing resource usage.

Personal Portfolio Website | React.js/Three.js

January 2025

IntelliJ IDEA, Windsor, ON

- Designed and developed a personal portfolio website to showcase technical projects, skills, and achievements.
- Integrated 3D animations using Three.js to create an interactive, visually engaging user experience.
- Built responsive layouts ensuring compatibility across various devices and screen sizes.

Password Strength Checker | Python

May 2024

IntelliJ IDEA, Windsor, ON

- Developed a Python-Based program that evaluates the strength of a password based on length character variety and complexity
- Implemented a scoring system to clarify passwords as weak, Moderate, or Strong, offering real-time feedback for improvement.
- Leveraged basic python libraries to validate password criteria, including uppercase/lowercase letters, numbers and special characters.
- Strengthened my understanding of cybersecurity principles related to password management and user security.

WORK EXPERIENCE

Data And Operations Assistant

Jul 2022 - Aug 2022

Family-Run Automotive Parts Shop, Ismailia, Egypt

- Optimized order processing and payment handling, ensuring accurate and efficient transaction data entry.
- Provided real-time support and information on product and service inquiries.
- Digitized paperwork and managed data organization to maintain accessible digital records.
- Enhanced my problem-solving and customer service skills by addressing client needs and resolving inquiries in a fast paced environment, fostering effective communication and adaptability.

LEADERSHIP AND ACHIEVEMENTS

Private Tutor – Maths

Sept 2022 – Dec 2022

- Provided one-on-one and group tutoring for Grade 10/11 students in Math classes, simplifying complex mathematical concepts and improving students' problem-solving abilities.
- Helped students prepare for tests and assignments using customized lesson plans by identifying areas of improvement, resulting in improved academic performance (up to 95% overall) and confidence in mathematics.

Student Council

Sept 2022 – June 2023

Ajax High School, Ajax, Ontario

- Collaborated with a diverse team of peers to organize school-wide events, including fundraisers, talent shows, multi-cultural nights, and much more, fostering school spirit and engagement.
- Aided in planning for major initiatives (charity drives, annual prom), coordinated resources, managed budgets and ensured deadlines were met.
- Developed strong organizational and time management skills by balancing academic responsibilities with the demands of a leadership role.