Yasmeen Elbik

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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.
- Experience in Java, C, Python, with solid foundation of Object-Oriented Programming Principles.
- Strong knowledge of data structures and algorithms.
- Familiar with Linux, including creating and executing Bash shell scripts for file management and processing control.

TECHNICAL SKILLS

- **Programming Languages:** Java, C, Python, React, JS, Node.js, Three.js.
- **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, 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 | HTML CSS & JS   January 2025
IntelliJ IDEA, Windsor, ON

- Designed and developed a fully responsive portfolio website to showcase personal projects, skills, and experience.
- Implemented custom HTML and CSS for a clean, modern layout that adjusts seamlessly across various screen sizes and devices.
- Utilized JavaScript for interactivity, including dynamic scrolling, animations, section transitions and active link highlighting.
- Deployed the website on Netlify for live access, ensuring fast loading times and reliable performance.

To-Do List Manager   June 2024
IntelliJ IDEA, Windsor, ON
- Built a basic To-Do List Manager using Java Swing and Object-Oriented Programming, allowing users to create, view and manage task lists with ease.
- Integrated task prioritization and due date features to help users organize and track deadlines.
- Implemented file I/O for data persistence, allowing users to save and reload task lists across session

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.
- Used my communication skills to inform and persuade customers on the best products for their needs, resulting in successful sales and repeat business.
- 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
- Delivered personalized tutoring sessions for Grade 10/11 students, both in-person and online through Microsoft Teams, breaking down complex math concepts into clear, digestible steps.
- Created and maintained detailed progress records for each student using Excel, tracking their development and aligning lessons with individual goals.
- Designed tailored lesson plans and targeted practice exercises to address specific areas of difficulty, helping students improve test scores and build confidence in their mathematical abilities.

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, multicultural nights, and much more, fostering school spirit and engagement.
- Used Microsoft Excel to manage budgets, track resources, and maintain accurate records of event attendance, including number of participating students and volunteers.
- Aided in organizing in-person meetings and brainstorming sessions to assign responsibilities, ensure deadlines were met, and address challenges during planning for major initiatives (charity drives, annual prom).
- Developed strong organizational and time management skills by balancing academic responsibilities with the demands of a leadership role.