ZAINAB JAMIL

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PROFESSIONAL SUMMARY

Third-year Computer Science student with hands-on experience in Java, Python, and full-stack web development (React, Firebase) through coursework, personal projects, and hackathons. Strong foundation in data structures, object-oriented programming, and algorithmic problem-solving. Seeking a Summer 2027 software development internship.

EDUCATION

University of Western Ontario | London, ON Sept 2024 - Present

Bachelor of Science in Computer Science

Relevant Coursework: Data Structures & Algorithms, OOP, Databases, Discrete Mathematics, Linear Algebra

SKILLS

Languages: Java, Python, C, CSS, JavaScript, HTML, Linux/Unix

Frameworks & Tools: React, Firebase, Git/GitHub, PyCharm, Eclipse, Visual Studio Code

Core Concepts: Inheritance, Arrays, Linked Lists, Stacks, Queues, Recursion, Debugging, and Testing

PROJECTS

Ummah Connect | React, Firebase | Hackathon Project Aug 2026

TechNisa Hacks — Winner, ***Best Beginner Project Award***

- Collaborated in a 4-person team to design and build Ummah Connect, a full-stack social discovery app helping Muslim students, newcomers, and professionals discover relevant events, communities, and meaningful connections.
- Built a two-step onboarding flow and five-tab navigation system, creating a streamlined user experience for personalized profile setup, event discovery, community engagement, connection management, and navigation across the application.
- Designed and implemented a shared key-value backend supporting user sign-up, member search, mutual connection requests, event creation, and community management, enabling persistent storage and data sharing across core application features.
- Developed profile editing functionality and a polished dark/light-mode interface using a custom visual design system, maintaining consistent layouts, components, and interactions throughout the application while enhancing overall usability.

Doubly Linked List Implementation | Java | Course Project — Data Structures & Algorithms

- Built a doubly linked list from scratch in Java with a custom Node class and bidirectional links between adjacent nodes.
- Implemented 3 core operations (insertion, deletion, traversal) for efficient dynamic list manipulation and data management.
- Applied object-oriented design principles to improve data encapsulation, code organization, and long-term maintainability.
- Tested edge cases such as empty lists and boundary insertions to ensure correctness and reliable program behaviour.

Password Strength Checker & Generator | Python | Course Project — Computer Science Fundamentals I

- Built a multi-file Python application with 5+ helper functions to evaluate password strength and validate user input data.
- Developed helper functions to evaluate password strength using character composition and password security requirements.
- Designed a rule-based scoring algorithm using password length, character diversity, and validation checks for accuracy.
- Implemented a secure random password generator following predefined security constraints and formatting specifications.
- Structured the program modularly to improve code readability, testing, maintainability, and overall function reusability.

Workout Planner | Python | Personal Project

- Built an interactive Python program supporting multiple equipment types and difficulty levels for personalized workouts.
- Validated user input across multiple paths to prevent invalid equipment or strength selections and ensure program execution.
- Used nested dictionaries to organize workouts by equipment type and difficulty level for efficient data organization.
- Created helper functions to compute repetition counts based on workout intensity and difficulty level for personalized plans.
- Formatted output to present a complete, readable workout plan with exercises, repetitions, equipment, and difficulty.

EXPERIENCE & LEADERSHIP

Charity Communications Director | Western MSA Sept 2025 - April 2026

- Led a communications team and managed digital campaigns to promote charity initiatives and fundraising efforts effectively.
- Coordinated with executive teams to align messaging, outreach goals, and campaign strategies across charity initiatives.

Charity Communications Associate | Western MSA Sept 2024 - April 2025

- Created and executed social media and event marketing plans to support charitable initiatives and fundraising campaigns.
- Designed engaging graphics and promotional materials to increase fundraising awareness and community engagement.

Founder and Organizer | MSOG Jan 2024 - Sept 2024

- Founded and led a community group to promote engagement, personal growth, meaningful connections, and community.
- Managed social media and communications to promote events and maintain consistent member involvement and engagement.

Crew Member | Popeyes Louisiana Kitchen Guelph, ON June 2021 - March 2023

- Worked in a fast-paced team environment emphasizing accuracy, multitasking, customer service, and efficient task completion.