Hussein Saab

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EDUCATION

Toronto Metropolitan University   Toronto, Ontario
Bachelor of Science in Computer Science, Co-op   *Sep 2022 – Apr 2027*
- Faculty of Science Deans List 2022 – Present

EXPERIENCE

Backend and Automation Developer Intern   May 2024 – Present
IBM   *Toronto, ON*
- Backend development at IBM using Java, Kotlin, Swift to develop supply chain solutions for Fortune 500 Companies

Software Engineer Intern   May 2023 – Sep 2024
Untitled Developers   *Toronto, ON*
- Collaborated with an multidisciplinary team of developers, designers, and project managers to conceptualize, develop and maintain Flutter applications used by over 5000+ users, to deliver client needs
- Developed robust PHP and Laravel backend systems, driving efficient data processing, server-side operations, and RESTful API integrations, resulting in a significant reduction in application response times
- Applied expertise in JavaScript, HTML, and CSS to craft captivating and highly responsive user interfaces for web applications, improving user visits by 30%
- Played a pivotal role in the identification and resolution of complex bugs and issues across the codebase, ensuring the delivery of 6 polished, bug-free software products

Leader   May 2019 – Present
Canada Scouts   *Toronto, ON*
- Currently serving as a scouts leader, every Friday evening, leading and supervising a group of over 30+ children ranging from 8-11 years old; planning and organizing weekly activities, including games, crafts, and outdoor adventures, that are engaging and age-appropriate for the scouts group
- Organized and hosted 20+ camping events, sport tournaments and educational lessons, preparing scouters to become future leaders by encouraging community engagement; planned and executed these events from start to finish, including logistics and effectively communicating with scouts' parents, participants and vendors
- Routinely encountered unique challenges while planning and executing activities as a leader. Employed innovative problem-solving techniques to adapt and ensure successful outcomes, fostering an environment of adaptability and resilience among scouts

PROJECTS

Music Store Application | *Java*   April 2023
- Developed a comprehensive text-based music store application using Java, offering users an immersive and simulated music shopping experience.
- Implemented object-oriented programming principles, including encapsulation, inheritance and polymorphism to create a robust, modular and maintainable codebase
- Utilized HashMaps, Collections, Interface and Exception Handling to implement a wide range of features such as music genre categorization, artist information retrieval, transaction processing and more

Real-time COVID Data Visualization | *JavaScript, ReactJS, HTML, CSS*   Sep 2023
- Developed a dynamic data visualization application using React JS, JavaScript, D3 Library, HTML, and CSS to provide real-time COVID-19 statistics from a database covering 100+ countries
- Designed and implemented an interactive dashboard that allows users to select specific COVID-19 data (e.g., cases, deaths, recoveries) from a dropdown menu and view real-time information
- Utilized external data sources to ensure that the displayed COVID-19 statistics are continuously updated, providing users with the latest information

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, Bash, JavaScript, HTML/CSS, TypeScript
Frameworks: Flutter, React, Node.js, Flask, Tailwind, MongoDB
Developer Tools: Git, Docker, AWS, JUNIT, Jenkins, Visual Studio, Linux/UNIX