JESSICA MCKELLAR

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HIGHLIGHTS OF QUALIFICATIONS

- Enrolled in level 2 of the 4-year Software Engineering Co-op program
- Developed excellent leadership and teamwork skills while on co-op at CIBC
- Displayed strong time management and organizational skills through participation in hackathons
- Strengthened analytical and problem-solving abilities to identify problems and implement corrective solutions using fundamental engineering techniques acquired through course and project work

SKILLS

Programming:
- Java, Python, SQL, HTML, CSS, JavaScript, Verilog, MATLAB, C, C++

Tools:
- Java Swing, MySQL, Bootstrap, GitHub, AutoCAD Autodesk Inventor, Latex, Microsoft Office

EXPERIENCE

Application Developer Co-op
CIBC, Toronto ON, May 2021 – Aug 2021
- Collaborated in a team of 6 professionals to develop and implement a mobile online trading application for clients in wealth management
- Implemented regular updates to the CIBC wealth management website using a content management system by creating & modifying **Java**, **JSP**, **HTML** & **CSS** code
- Helped front-end web development including specific projects such as updating the PDF generation of the website using **Itext**, **XML**, **XSLT,** & **Java** code
- Assisted QA in executing complex DIT test cases and web service testing by validating modifications to code, ensuring changes worked, and identifying and reporting any defects

EDUCATION

Bachelor of Engineering, Software Engineering
McMaster University, Hamilton ON
Sept 2020 – April 2024
- Achieved a cumulative grade-point average of 3.4 on a 4.0 scale
- Awarded the McMaster Entrance Scholarship for having a grade-point average over 90% in high school

Relevant Courses:
- Software Development Skills
- Data Structures & Algorithms
- Computer Architecture
- Digital Systems & Interfacing

EXTRA-CURRICULAR ACTIVITIES

QHacks Hackathon – Queens University
2021
- Worked in a team of 5 to brainstorm, develop, & pitch a prototype within 36 hours
- Created an IOS game on Swift called Tic-Hack-To which worked with graphical user interfaces and arrays

DeltaHacks – McMaster University
2020
- Collaborated with a team of 4 people to create a working app within 24 hours
- Strengthened adaptability & collaboration skills

PROJECTS

Safe Space
2019
- Designed a **Java** desktop application which computes the safest American Universities based on selected crimes
- Implemented **RedBlack BST** to sum data entries grouped by university from an open-source dataset
- Utilized **HashSet** to return specific university names and crime rates in real time