

# JESSICA MCKELLAR

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## HIGHLIGHTS OF QUALIFICATIONS

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- 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

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### Programming:

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

### Tools:

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

## EXPERIENCE

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### 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 **ltext, 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

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### 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

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### 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

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### 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