

# 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 May – August 2017 CIBC, Toronto ON

- 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 and modifying **Java**, **JSP**, **HTML** and **CSS** code
- Worked on front-end web development including specific projects such as updating the PDF generation of the website using **Itext**, **XML**, **XSLT** and **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 2020

McMaster University, Hamilton ON

- 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
- Software Design I
- Data Structures & Algorithms
- Computer Architecture
- Digital Systems & Interfacing
- Principles of Programming

## PROJECTS

### Safe Space 2017

- 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

## EXTRACURRICULAR ACTIVITIES

### QHacks Hackathon - Queens University 2018

- Worked in a team of 5 to brainstorm, develop, and 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 2017

- Collaborated with a team of 4 people to create a working app within 24 hours
- Strengthened adaptability and collaboration skills