

# Rebecca Schmelzer

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## Education

### **MCMASTER UNIVERSITY, SCHOOL OF ENGINEERING**

*HAMILTON, ON*

*Bachelor's of Engineering in Software Engineering*

Expected May 2023

- GPA: 3.6/4.0
  - Honors: Fall 2019 and Winter 2020 Dean's List

## Projects

### **COVID-19 TRACKING PLATFORM**

McMaster Engineering Competition

- Built a platform with Python and the Tkinter library to create a GUI showing different Covid-19 related data from different countries clearly.

### **CIPHER & CRYPTOGRAPHY TUTORIAL**

- Created a tutorial in Java for students a coding workshop. Built the tutorial teaching shift/Caesar & Playfair ciphers. Students learned development of methods to properly encode/decode these types of ciphers.

## Technical Skills

**LANGUAGES:** Java | Python | JavaScript | HTML/CSS | AutoCAD

**SKILLS:** Front-end, MVC, Git, Interfaces, Databases, Data structures, Algorithms, Mobile Development

## Experience

### **INNUNCO ACADEMY**

*TORONTO, ON*

IT & Content Developer/Researcher

May 2021 – August 2021

- Researched and implemented methods to optimize the school's online functionality and worked with software developers through the testing process.
- Researched and developed assignment content for the school technology curriculum involving courses such as Introduction to C# and Python.

### **TEDX MCMASTERU**

*HAMILTON, ON*

Volunteer Director

December 2019

- Interviewed and recruited volunteers for all departments for the event.
- Organized shift schedules and directed training days for volunteers to get accustomed to their jobs.

### **BAYCREST HEALTH SCIENCES**

*TORONTO, ON*

Youth Council Member

August 2018 – August 2019

- Interviewed and recruited volunteers for all departments of the hospital & long-term care facility.
- Directed outreach events for youth volunteers to introduce supervisors & provide shadowing opportunities with doctors, nurses & more healthcare staff.