

# Trixie Mattel

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## Highlights of Qualifications

- Enrolled in 1<sup>st</sup> year of the 5-year Integrated Biomedical & Health Sciences (IBEHS) co-op program at McMaster University
- Strong project management and time management skills developed through design projects such as artificial hip replacement
- Developed technical design and computational skills through solid modelling in AutoCAD and programming in Python learned through the Health Solutions Design Projects I: Introduction to Engineering Fundamentals and Design course
- Perceptive, analytical, and effective communication skills gained through a volunteering position with Scarborough Health Network

## Education

### Bachelor of Engineering, IBEHS

September 2020 – Present

McMaster University | Hamilton, ON

- Maintaining a cumulative grade point average of 3.5 out of 4.0 scale

## Experience

### Centenary Hospital Student Volunteer

May 2019 – August 2019

Scarborough Health Network, Toronto, ON

- Provided coverage of the front desk reception area; directed visitors, and callers appropriately
- Relayed family and patient request to the appropriate staff members
- Exposed to a variety of advanced medical technology used in operating rooms
- Assisted in assembling equipment packets and chart information

### Lifeguard and Swim Instructor

September 2017 – August 2020

City of Hamilton, Hamilton, ON

- Taught swimming lessons and water safety to groups of 10-15 people of varying ages
- Supervised up to 100 people swimming as a lifeguard during public swim times
- Coordinated with other lifeguards and swim instructors to ensure proper water safety precautions were constantly in place
- Awarded "Hardest Working" staff member during the summer of 2019 for outstanding customer service and teamwork

## Projects

### McMaster Hip Implant Project

September 2020 – Present

- Worked in a team of 4 to investigate a patient profile, diagnose them, and create a non-conventional method to address and treat the medical concerns the patient was experiencing

## Skills

### Software/Hardware

- Python
- MATLAB
- R
- Autodesk Inventor
- 3D Printing

### Safety

- CPR & First Aid
- Laser Safety
- Electrical Safety
- WHMIS