

SKYLER RAJASINGHAM

Electric and Biomedical Engineering
Co-op Student

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EDUCATION

MCMaster University, Hamilton ON.

SEP 2020 - PRESENT

- B.Eng Electrical and Biomedical Engineering (Class of 2025)

EXPERIENCE

LAB OPERATIONS ASSOCIATE INTERN (STERIMAX)

MAY – AUG 2021

- Conduct Laboratory Operations administrative duties
- Perform basic identification and physical testing of SteriMax products

PROJECTS

HIP IMPLANT (ACADEMIC PROJECT)

OCT – NOV 2020

- In a group of 4 planned, designed, and modelled (using **Autodesk Inventor**) a hip implant that fulfills the need of a specific patient

STERILIZATION CONTAINER (ACADEMIC PROJECT)

NOV– DEC 2020

- In a group of 4 designed a sterilization container (using **Autodesk Inventor**) and software (using **Python**) allowing for robot-enabled transfer of surgical tools to an autoclave for subsequent sterilization

PREGNANCY CONTRACTION MONITOR (ACADEMIC PROJECT)

JAN – MAR 2021

- Designed a wearable device (using **Autodesk Inventor**) and software (using **Python**) that takes information from an FSR sensor in real time to determine the type of pregnancy contractions being experienced by the user

EXTRACURRICULARS

DSC SOLUTIONS INCUBATOR

JAN – MAR 2021

- Strengthened teamwork, organization, and product management skills while working within a team to create a new e-learning platform

EXECUTIVE OF GRADE 9 NIGHT EVENT

MAR – SEPT 2019

- Developed strong leadership, team management, and communication skills through training and managing 34 student leaders

ADDITIONAL SKILLS

- Fundamental skills with **Python**
- Experience with **Autodesk Inventor** and **Fusion 360**
- Basic skills in **HTML** and **CSS**
- **Biosafe** and **WHMIS** trained
- Basic skills with **MATLAB**
- **Product** and **team management skills**