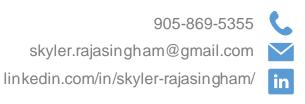
SKYLER RAJASINGHAM

Electric and Biomedical Engineering Co-op Student



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