

Jon Snow

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Highlights of Qualification

- Enrolled in level 3 of the 4-year Engineering Physics co-op program specializing in electro-optics
- Excellent logical, technical and researched technical & research report writing skills developed through coursework and experience as a industry Research Assistant
- Experience with electrical design, using Autodesk Inventor and Multisim

Education

Bachelor of Engineering, Engineering Physics

Sept 2018 - Present

McMaster University, Hamilton ON

- Maintaining a cumulative grade point average of 3.8 on a 4.0 scale

Experience

Research Assistant

Sept 2018 - Present

Kinectrics Inc, Etobicoke ON

- Worked in a team of 3 focused on diagnostic testing, consulting and forensics services related to low, medium, and high voltage electrical power equipment
- Conducted laboratory testing, research and development, and component failure analysis
- Created a short software application program for test data acquisition and instrument automation using MATLAB and Excel

Projects

Eye Controlled Turret

Jan 2021 – March 2021

- Designed, assembled, and tested a human-interactive turret controlled by the eye's gaze utilizing Python, C/C++, two microcontrollers and two Raspberry Pi's
- Included four separate modes of operation including a zeroing mode, eye control, object tracking and manual control

Extracurricular Activities

Ambassador | Engineering Physics Society

Sept 2018 - Present

- Answered student questions about Engineering Physics, led tours, and presented at 5 information sessions hosted per year

Welcome Week Rep | McMaster University

Sept 2018 - Present

- Welcomed 900+ first years to McMaster Engineering by providing direction, answers, and engaging activities to new students over a 7 day period

Skills

Software/Hardware

- Python, C/C++
- MATLAB
- Maplesoft
- Autodesk Inventor
- Solid Works

Safety

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