

# BRODY MCKEOWN

Electrical Engineering Student

@ bmckeown@mun.ca    (709)690-4548    St. John's, Newfoundland    in brody-mckeown

## EXPERIENCE

### Hardware Design Engineering Co-op

Curtiss-Wright Defense Solutions

Sept 2018 – Dec 2018    Ottawa, Ontario

- Executed Design Verification Testing on Single Board Computers
- Performed circuit schematic and layout reviews

### Electrical Designer

Paradigm Hyperloop

Sept 2017 – Ongoing    St. John's, Newfoundland

- Designed custom circuitry for the pod's battery board to monitor current and voltage
- Designed custom interface board (circuit schematic and layout) for the pod's on-board flight computer
- Sourcing equipment such as motors, IC's and other electronic components

### Electrical Designer

Low Orbit Reconnaissance & Imagery Satellite

May 2018 – Ongoing    Remotely w/ Dalhousie University

- Researching and designing solar power supply for 2U Cubesat
- Aid in the design of a custom Electrical Power System

### Co-Lead Corporate Sponsorship

Engineers Without Borders MUN Chapter

May 2017 – Ongoing    St. John's, Newfoundland

- Engage in developing relationships with corporations to help fund chapter initiatives
- Develop Sponsorship packages and materials

### Customer Applications Engineer

Nokia

Jan 2018 – April 2018    Ottawa, Ontario

- Pro-actively troubleshooting problems in the proprietary network management software as well as customer networks and databases
- Worked with regional support teams, Research & Development and product managers for technical support concerns
- Developed scripts to aid in managing customers' network elements

### Electrical Engineering Co-op Student

Kruger Inc.

May 2017 – Sept 2017    Corner Brook, Newfoundland

- Updated and organized the motor management system and electrical equipment hierarchy utilizing JDEwards
- Drafted mechanical parts and electrical drawings in AutoCAD
- Developed work orders, budgets and procedures

## EDUCATION

### Bachelor of Electrical Engineering Co-op Program

Memorial University of Newfoundland

Sept 2016 – Ongoing    NL, Canada

Dean's List 2016-2017  
Expected Graduation: 2021

## ACHIEVEMENTS

Alfred and Annie Chan Electrical Engineering Scholarship  
2017

The Professional Engineers and Geoscientists of Newfoundland and Labrador Engineering Scholarship  
2017

Duke of Edinburgh's Award Bronze & Silver Standard  
2013, 2016

Provincial Chess Champion; Competitor at Canadian Chess Challenge  
2012-2015

## STRENGTHS

- Eye for detail
- Troubleshooting
- Self-starter
- Hard-working
- Team player

## SKILLS

- C++
- PSpice
- Linux
- MATLAB
- SolidWorks
- AutoCAD
- github
- KiCAD
- LaTeX
- Microsoft Office
- G Suite

## INTERESTS

