

## KYLE A. SHAL

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### EXTRACURRICULAR ACTIVITIES

#### Software Team Member | Paradigm Hyperloop – MUN

September 2020 – Present

- Developing and testing vehicular software through Git
- Troubleshooting C++ code for design of hyperloop pod

#### 3D Designer (Team member) | MUN ProtoMED

2019 – Present

- Designing skeletal parts of the human body using 3D software
- Collaborating with Biology and medical students for research analysis

#### Electrical and Suspension Team Member | Memorial BAJA

September 2019 – Present

- Using mechanics to design vehicle suspension
- Installing and testing electrical circuitry and other components

#### Chapter Member | Engineers without Borders

2019 – Present

- Discussing world issues with a multidisciplinary team
- Organizing Engineering events such as GE Networking Night

### KEY PROJECTS

#### Home Automation System | Term 1 Project

- A system that combines the functionality of a security alarm system with room detection to activate/deactivate devices
- Led a team of 3 using Python programming, Grove devices, and Arduino tools

#### Counter-19 | Hackathon Project

- Automated live occupancy monitoring system to counter the social distancing effects of Covid-19 where information can be viewed online.
- Led a team of 4 using C++, Swift, JS, Html, CSS, Git, and Arduino tools

### WORK EXPERIENCE

#### Cash Office Clerk/Cashier | Dominion, Loblaw's Inc.

2019- Present | St. John's, NL, Canada

- Worked independently to maintain customer satisfaction at self-service checkouts.
- Maintain knowledge for questions about merchandise and weekly promotions
- Executed transactions and made cash deposits for the company. Balanced daily store sales and kept track of daily overages and shortages.

#### Web Developer Co-op Student | MUN-Human Kinetics & Recreation

2021 | St. John's, NL, Canada

- Developed native iOS apps using Swift language and wearable device APIs
- Worked with a team of developers using Git to continue the development of open source tools.

### EDUCATION

#### Memorial University of Newfoundland (MUN)

2019- Present | St. John's NL  
Term IV Computer Engineering  
B.Eng. Co-op Program  
Class of 2024

#### Saint John's College Junior College

2017-2019 | Belize City, Belize  
Mathematics & Physics  
Associate Degree – Dean's list

### SCHOLARSHIP AND AWARDS

- 2021 – 1<sup>st</sup> Place Hack NL Hackathon
- 2020 – PEGNL Bursary
- 2019 – Engineering One Entry Level Scholarship

### SKILLS AND STRENGTHS

- **Programming-** Python, C++, Swift, Arduino, Git, HTML, CSS, JS
- **Circuit Analysis-** Matlab, OrCAD, Multisim software
- **Cell-phone repair** and unlocking
- **3D design-** SolidWorks, Fusion 360, Slicer, Meshmixer software
- **Document Management** – Microsoft suite and Google applications
- **Graphic design-** Adobe suite applications
- **WHMIS** and Lab Safety certified
- **First Aid** and CPR level C certified
- **Team player**, analytical, strategic, reliable, proactive
- **Multilingual-** English, Spanish, Creole, and Mayan languages