## **KYLE SHAL**

### **Computer Engineering Student**

in https://www.linkedin.com/in/kyle-shal-47114a192/

## **EXPERIENCE**

## Software Developer Co-op (2 Terms) **C-CORE**

May 2022 - August 2022

St. John's, NL

- Implemented geospatial solutions using tools such as React, Mapbox GL and Google Cloud Platform.
- Performed geospatial data science using Python for Remote Sensing Industry clients.
- Reduced development costs through maintenance and service migration of multiple company websites.

## August 2021 - December 2021

- Gained experience using Cloud Automation and Cloud Native Geospatial Technologies.
- Created multiple product websites to promote end-to-end geospatial data handling services.
- Drove to completion a web application to standardize the general software development cycle.

#### Web Developer Co-op

#### **Memorial University of Newfoundland**

St. John's, NL

- Developed multiple features of native iOS app for health research purposes.
- Worked with Open mHealth to continue development of open source tools using Docker.

## **PROJECTS**

## FPGA Drum Machine

#### **Academic Project**

• Collaborated to develop an Electronic Drum Machine that produces sampled percussion sounds using a DE1-SOC development board.

#### SimpliFyle

## **Academic Project**

February 2022

- Collaborated with a teammate to develop a smart file organizer designed for academic-based organization.
- Built using python and the tkinter library.

#### Counter-19

### **Hackathon Project**

E February 2021

- Led a team of 4 to create an automated live occupancy monitoring system to counter the social distancing effects of Covid-19.
- Built using C++, Swift, JS, HTML, CSS, and Arduino tools.

## **EDUCATION**

## B.Eng Co-op Program

### Memorial University of Newfoundland

September 2019 - April 2024

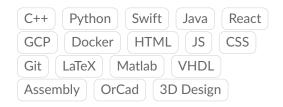
St. John's, NL

# Math and Physics Associate Degree St. John's College

**September 2017 - June 2019** 

Belize, CA

## SKILLS



## COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Software Development Practices
- Software Design and Architecture
- Communication Networks
- FPGA Programming
- Database Management Systems
- Circuit Analysis

# POSITIONS OF RESPONSIBILITY

- Logistics Lead- GDSC MUN
   Organized various Google-based workshops and tech talks to better equip students with software developer skills.
- Mentor- Canadian Premiere Robotics
   Hosted web and app development workshops to for students interested in STEM careers.

## **AWARDS**

- 3rd Place Award Bounce Health Innovation Hackathon (2022)
- 1st Place Award Hack Frost NL Hackathon (2021)
- PEGNL Scholarship (2020)
- Engineering One Scholarship (2019)