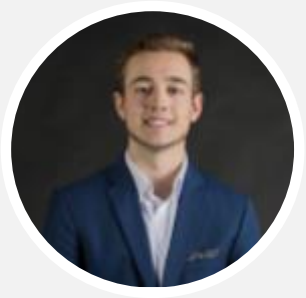

# Mitchell Stride


mitchellstride.com
mstride@mun.ca
(709) 541-3744


## Technical

⇒ PCB Design
Schematics & Layout
⇒ Embedded Systems
⇒ Microcontrollers
⇒ Prototyping and Design
⇒ SMD Soldering
⇒ 3D-Printing and Modeling
⇒ Hardware Verification

## Software

⇒ Altium Designer
⇒ KiCAD
⇒ EAGLE
⇒ PSPICE Simulation
⇒ Solidworks
⇒ ABB 800xA
⇒ Version Control
⇒ C++ and AVR Assembler

## Interpersonal

⇒ Leader
⇒ Self-Starter
⇒ Dedicated
⇒ Collaborative

## Academic Qualifications

**Memorial University of Newfoundland, St. John's, NL**
Electrical Engineering, Academic Term 5, Expected Graduation 2020
Bachelor of Engineering Co-op Program

## Work Experience

**Cross Asset Engineering Assistant** | Sept 2017 – Dec 2017
ExxonMobil, St. John's, NL
⇒ Designed analog and digital logic to optimize the Electrical Power Management System for the offshore oil platform Hibernia.
⇒ Used the ABB 800xA software suite to create logic and graphics for the operator's HMI.

**Hardware Verification Engineer Co-op** | Jan 2017 – Apr 2017
Nokia, Ottawa, ON
⇒ Analyzed schematics of complex PCBs and created verification test plans.
⇒ Soldered under a microscope and probed signals in a professional lab environment.

**Website Developer** | Sept 2014 – June 2015
Blue Ridge, Lewisporte, NL
⇒ Assisted in the launch of an online shopping solution with the aid of Shopify.
⇒ Developed the website www.theoutdoorsupplystore.com, fixed bugs, added graphics.

## Extracurricular

**Paradigm Hyperloop**
Power Systems Team Member
⇒ Designed a daughter board for the pod's BeagleBone Black.
⇒ Will assist in the design of a new revision of the pod's power system.
⇒ Designing sensor nodes for a data acquisition network at a new test facility.

**Canadian CubeSat Project**
Electrical Lead
⇒ Competing to be selected for $200,000 grant to build a satellite.
⇒ Involved in initial planning and proposal phase of CCP project.

**IEEE**
Student Member
⇒ Launched Stay Late and Make (SLAM) through IEEE for students to collaborate on projects after school.
⇒ Organized workshops and technical lectures given by professors.

## Projects

**IOT Smart Home** (ongoing)
⇒ Creating custom PCBs with an ESP8266 to control my house from a central terminal built using a Raspberry Pi.

**FPV Racing Quadcopter**
⇒ Built a custom designed racing quadcopter and FPV headset.

**PCB Reflow Oven**
⇒ Converted a toaster into a reflow soldering station with a custom board including a ATMEGA328P, thermocouple, and MAX31855