

FRANCIS WALSH

Electrical Engineering Co-op Student

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EXPERIENCE

Hardware Support Engineering Co-op

Nokia

Jan. 208 - Ongoing Ottawa, ON

- Diagnosed and re-worked damaged R&D server boards
- Created scripts in Perl for automating tedious lab tasks
- Used various state of the art lab tools to verify signal integrity

Overland Transmission Completions Student

Nalcor Energy

June 2017 - Sept. 2017 Newfoundland

- Conducted inspections of newly built HVdc/HVAc transmission towers
- Communicated and directed contractor re-work
- Created VBA and Python tools for data analysis/future employee use
- Developed/delivered training to personnel in use of completions system

PROJECTS

MUN SAE Aerospace Design Club

Electrical Design Lead

Nov. 2016 - Present

- Oversee/lead a team of peers in developing software and hardware. Tasks include:
 - Designing power distribution circuits
 - Creating Arduino based aircraft information systems
 - Programming software to assist with payload dropping and flight stability
- Solicited local businesses for club sponsorship

SunQuest Games

CEO/CTO

Dec. 2014 - Present

- Lead a team of peers to create video games and other applications. Responsibilities include:
 - Construction and continuing development of Java based game engine
 - Directing art and music design
 - Deploying projects on custom HTML based website
- Other projects include data scraping and 'Denial of Service' applications written in Python and C++

MOST PROUD OF



Gander Aviation Trophy

Newfoundland's top cadet pilot



Memorial Endowment Fund

Received for 90% Highschool graduation average



Matthew Gillard Award

Presented by the MUN Model UN Society

APPLICABLE SKILLS

Soldering (SMD)

Digital/Analog signals

Analog/Digital interfacing

Task automation

Embedded Systems

Data Scraping

LANGUAGES

C++



Java



Python



EDUCATION

B.Sc Electrical/Electronics Engineering

Memorial University of Newfoundland

Sept 2016 - Present

Cumulative GPA: 3.61 (Avg: 80.4)

INTERESTS

