

# BRYAN MELANSON

bryanm@mun.ca ♦ <http://bnuh.github.io> ♦ 709 749-1273

## PROFILE

Innovative software engineer offering years of experience in the full software development lifecycle – from concept through delivery of next-generation applications and customizable solutions. Strong background in project leadership and innovative problem solving partnered with a unique skill set in the creative arts, currently engaged in Memorial University of Newfoundland's Computer Engineering curriculum. Experience programming autonomous sailboats as part of the *MUN SailBot* team and mentoring sound crews on firsttime filmmaker projects. Accomplished business owner and sound designer with years of experience producing and designing multimedia for clients such as *Disney*, *Fremantle*, *Collegehumor*, *ABC* and *NHL*. Self produced albums and video art projects featured in national art galleries, as well as lectures on digital production techniques, interactive sound design and digital copyright

## PROFESSIONAL EXPERIENCE

Support Engineer  
Nokia Inc.  
Sep 2016 - Jan 2017

- Debugged complex product installations on CentOS/Solaris/RHEL systems, resolving complicated network problems using Open Stack, and VMWare
- Scripting at a Unix/Linux level in bash and Python

Software Developer  
Nalcor Energy  
Dec 2015 - May 2016

- Developed interactive heat map application for analyzing prices and visualizing New York energy market using MATLAB, and SQL
- Scripted the mapping of all major external energy markets using R

Production Coordinator  
Ludia Inc.  
Apr 2010 - Aug 2011

- Managed in-house and outsourced content production branch of video, sound, image and transcription teams for "The Price Is Right - Facebook"
- "TPIR Facebook" received 1,000,000 unique users its 1st week

## EXPERTISE

Scripting  
Data Analysis  
Agile Methodologies  
Software Design  
Geographic Image Systems  
Web Development  
Machine Vision

## EDUCATION

2015 - 2020

**Bachelor of Engineering, Computer Engineering Major**  
Memorial University of Newfoundland

2015 - 2016

**Certificate in Data Science**  
John Hopkins University, Baltimore MD  
Online Course

## SKILLS

Linux/Unix  
Matlab, R, SQL  
Java, Javascript  
Python, C++, Bash  
Django, REST  
VMWare, OpenStack

## REFERENCES

**Marc Charlebois**  
Supervisor, Nokia Inc.  
[mcharleb@nokia.com](mailto:mcharleb@nokia.com)

**Jeffrey Dawson**  
Co-President, MUN Sailbot  
[jpd546@mun.ca](mailto:jpd546@mun.ca)

## AFFILIATIONS

**IEEE**  
Member  
2015 - Present

**MUN Sailbot**  
Lead Programmer  
2015-2017