

# NICKOLAS WIEBE

(204) 791-1127 • [nick@wiebe.ovh](mailto:nick@wiebe.ovh)

<https://nick.wiebe.ovh/> • <https://github.com/nickolaswiebe/>

## EDUCATION

Bachelor of Science, Computer Science Major (Co-op option)

2015 – Present

## TECHNICAL SKILLS

### Programming Languages

Python 2 & 3  
C  
JavaScript  
Haskell

### Tools

Microsoft Office  
Photoshop  
Audacity  
Pandas

### Operating Systems

Windows 7  
XUbuntu Linux  
Raspbian Linux

## RELEVANT WORK EXPERIENCE

### Agricultural Meteorological Technician, Co-op Work Term 3

June - August 2020

Government of Manitoba, Manitoba Agriculture Weather Program

*The Manitoba Agriculture Weather Program maintains, collects, and analyzes data from 104 weather stations scattered throughout rural Manitoba*

- Used Python 3 and Pandas to clean and collate historical weather data from 2010-2020

### Junior Developer, Co-op Work Term 2

September - December 2018

Great-West Life, Individual Customer Department

*The Individual Customer department maintains Great-West Life's legacy mainframe codebase*

- Learned many older languages and technologies in order to fix bugs and keep business logic up to date

### Web Developer, Co-op Work Term 1

January - April 2018

Government of Manitoba, Business Transformation and Technology (BTT)

*BTT is responsible for the development of web-forms for all Govt. of Manitoba departments*

- Used HTML/CSS and JavaScript to create fully accessible forms according to a specification

## PROJECTS

### Home Network Cluster

Maintaining an image hosting site for my mother, a chat bot, and a personal streaming site.

### Signal Processing

Teaching myself the basics of digital signal processing theory and real-time audio programming.

### Tip Predictions, Data Mining Course Project

Using New York's public data sets to determine the optimal routes for taxi drivers to get the most tips.

### Basis Price Prediction, Industrial Project

Attempt to predict fluctuations in the basis price for canola and other grains, using FarmLink's historical price data.

## VOLUNTEER EXPERIENCE

### Sound Technician, Fort Garry EMC Church

2013 - 2017

- Talking with speakers and musicians to determine the correct setup, and operating the sound board during the service, to maintain optimum sound quality

### Assistant Water Safety Instructor, Bonivital Pool

Summer 2014

- Planning lessons to make maximal use of the time given, and interacting with children and adults in large groups

## HOBBIES

### Homemade Ice Cream

Learning to make a custard-based ice cream from scratch, and tweaking various recipes.

### Dungeons & Dragons

Participation in ongoing tabletop campaign, regularly meeting with 6-8 friends every few months.