

# NICKOLAS WIEBE

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## EDUCATION

Bachelor of Science, Computer Science Major (Co-op option)  
*Minor in Economics*

2015 – Present

## TECHNICAL SKILLS

### Programming Languages

C  
Python  
Haskell  
Prolog

### Editing Tools

Microsoft Office  
Photoshop  
Audacity  
REAPER

### Operating Systems

Windows 7  
Xubuntu Linux  
Raspbian Linux

## RELEVANT WORK EXPERIENCE

### 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*

- Learning 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 webforms for all Govt. of Manitoba departments*

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

## PROJECTS

### Home Network Cluster

Assembling and maintaining a home server network, which at one point contained five Raspberry Pis, four used laptops, and a tower.

### Image Hosting Site

Creating and running a custom image host specifically for use by my immediate family.

### 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 perfecting a rich chocolate recipe.

### Dungeons & Dragons

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

### Synthesizer

Learning the basics of digital signal processing theory and realtime audio programming in order to create a software instrument inspired by the classic Casio CZ-series synthesizer.