

# Will Pringle

<https://www.linkedin.com/in/will-pringle/> <https://github.com/wiwichips> [wpringle@uoguelph.ca](mailto:wpringle@uoguelph.ca) 519 994 0408

## Skills

### Languages

- > Javascript, C, Java, Python, SQL, R, Perl

### Frameworks

- > Node.js, Express.js, Android-Studio, JQuery, React, libxml2

### Teamwork & Project Management

- > Agile SCRUM
- > Github, Gitlab
- > Jira, Trello, Asana, Microsoft Teams

### Environments

- > Linux/Unix, JVM, WSL

## Education

### Bachelor of Computing University of Guelph

*Sept 2018 - present*

- > Software Engineering
- > Minor in Business Economics
- > Average: 82%

### Key courses

- > Algorithms
- > Data Structures
- > Object Oriented Programming
- > Operating Systems
- > Software Design

## Awards

### Amazon Day Datapath 2<sup>nd</sup> Place 2019

- > Competed to learn Amazon's Datapath language and solve query based problems

## Work Experience

### Research Analyst — Ontario Ministry of Finance

*June 2020 - Present*

- > Use tax data to help inform Ontario's policy makers

## Technical Projects

### SMUS

*April 2020 - Present*

- > Used Last.fm API to grab user music listening data in Python
- > Show data visualizations and trends displayed through a CLI or exported to a pdf

### SVGedit

*January 2020 - March 2020*

- > Implemented an SVG image parser API in C using libxml2
- > Used Node JS and Express JS to host the web application
- > Implemented a front end with JQuery, HTML, and CSS

### Dungeons and Dragons (DnD) Game Simulator

*September 2019 - November 2019*

- > Worked over a semester to create a DnD game simulator in Java for a Dungeon Master to use
- > Developed a JavaFX GUI to connect to the object oriented backend code
- > Programmed dozens of unit tests using Junit Framework

### Market Trends in CPI and the Canadian National Census

*March 2019*

- > Wrote Perl scripts to analyze and graph data relations in R
- > Worked in an Agile team as a SCRUM master

## Extracurricular

### Cofounder and Full Stack Developer — GTutor

*April 2020 - Present*

- > Designed and built a RESTful API Express server in Nodejs
- > Created a MySQL database for users, sessions, messages and other fundamental features.
- > Collaborated with other team members using Agile

### Creator of the BCOMP Forum

*Sept 2018 - present*

- > Created an active online community of over 700 students who share class notes and discuss Computer Science
- > Wrote and enforced policy to prevent hate speech
- > Designed a consistent layout to promote usability