

Technical Skills

Web development using **LAMP** or **MAMP**, **Laravel**, **JQuery**, **Node.js**, **Angular.js**, and **Vue.js**

Object oriented programming using **C++**, **PHP**, and **Python**

Development on **Linux** and **MacOS** using **git**, **Eclipse**, and **PHPStorm**

Automating repetitive tasks with **BASH**, **Python**, and **Jenkins**

Scientific **data processing/analysis** using **Python (numPy)** and **MATLAB**

Finite element analysis and physical simulations using **MATLAB**

Creating **2D** and **3D** models with **FreeCAD**, **SolidWorks**, and **SketchUp**

Writing technical documents using **Microsoft Office 365**

Fluency in written and spoken **french**

Languages

- C++
- PHP
- MATLAB
- HTML/CSS
- Python
- JavaScript
- BASH
- SQL
- XML

Education

University of Waterloo

3B Term, Candidate for B.ASc. in Nanotechnology Engineering, Projected Graduation April 2021

Professional Experience

Web Developer (LAMP)

Horizn Studios — Jan 2019 - Apr 2019

- Worked in an **agile/scrum** team to design responsive **e-learning** websites using **MVC** architectural patterns
- Collaborated with co-workers to **build a web-app** that allows graphic designers to **accomplish common developer tasks**
- Designed **PHP unit tests** using the **Behat** framework
- Wrote **SQL queries** to gather user statistics for reports
- Participated in weekly team **code reviews**, and **project recaps**

Web Developer / IT Assistant

University of Waterloo — Sep 2018 - Dec 2018

- Created a web-app to list faculty job openings and process job applications using **LAMP**, **JavaScript**, and **Laravel 5**
- Assisted users with IT issues, imaged/deployed new systems
- Designed infographic posters and weekly newsletters

CS138 Instructional Support Assistant

University of Waterloo — Jan 2018 - Apr 2018

- Instructed a class of 150 on the topics of **Abstraction**, **Data Structures**, and **Algorithms**, using **C++**
- Created a website to distribute course information and relevant files to enrolled students
- Wrote **scripts** to grade homework using **BASH** and **Python**

Projects and Hobbies

Bullet Journal Web-app

An online journal application built using **PHP**, **Laravel**, **Bootstrap**, and **Node.js** that is designed to create visual representations of a user's moods throughout the month

Arduino Robotics

Programming microcontrollers to accomplish basic input output tasks such as temperature-response and motion detection