

# WILLIAM CHAN

Computer Science graduate seeking to fulfill a development position where I can apply my problem solving skills to design meaningful and efficient solutions with my experience with programming.

## WORK EXPERIENCE

### Sunnybrook AI Research Programmer

June 2019 - August 2019

Matlab, Python

- Tasked with analysing the texture patterns of ultrasounds with AI assisted learning to predict cancers.
- Created algorithms to learn from lab data in Python and Matlab with the assistance of artificial intelligence.
- Troubleshooted a critical error within legacy code.
- Research work published

### Chess'n Math Association

June 2018 - August 2018

Python

- Developed scripts for handling chess data while managing and maintaining the store.
- Strengthened proficiency in Python, hands-on work, and technical skills.

## PROJECTS

### Memory Test

May 2021 - June 2021

html, css, js, sql, php

- Designed and created a website with bootstrap, testing short term memory with PHP, and js. Users are allowed to register to the site to save and compare their results.
- Various tests/minigames coded purely with javascript.
- Learned how to store test scores to a mySQL database.

### Pokemon Encyclopedia API w/ .NET

January 2021 - February 2021

C#, .NET, html, css, js

- Designed and constructed an encyclopedia website using .NET to catalog popular series "Pokemon" with PokeAPI.
- Website completely created and maintained from scratch with .NET 5 Framework.

### Beach Relaxation Screensaver Site

February 2021 - March 2021

html, js, css, jQuery

- Developed a website that acts as a screensaver with audio and video of a beach.
- Website was created to practice and learn how to use jQuery, using cookies, web workers, javascript canvas, and manipulating media in html.

### Sorting Algorithm Live Demo

html, js, css

November 2019 - December 2019

- Used my knowledge of sorting algorithms to construct a sorting visualizer.
- Website constructed to educate others and refine my javascript while refreshing my memory on algorithms.

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## SKILLS

### Programming Languages

- C++
- C#
- C
- Java
- Javascript
- Python
- Matlab
- SQL/ PHP
- HTML/CSS

### Technical Skills

- Website Building (Front End)
- Website Management (Back End)
- System Debugging
- Implementation Strategist
- Code Navigation
- Prototyping
- Linux/Mac/Windows Architecture

## EDUCATION

### University of Waterloo 2016 - 2020

Bachelor of Computer Science  
w/ Honours

### Trios College 2020 - 2021

Web Applications Developer