




# DYLAN GILSON

## SOFTWARE ENGINEER

### CONTACT INFO

dylan.gilson@outlook.com 

(778)-878-4383 

Surrey, BC, CA 

[LinkedIn](#) 

[GitHub](#)

### EDUCATION

B.Sc. Computer Science  
Simon Fraser University  
Burnaby, BC, CA

B.Sc. Mathematics  
Simon Fraser University  
Burnaby, BC, CA

### LANGUAGES & TOOLS

ReactJS

Javascript

C++

C

Python

Java

Rust

MATLAB


OpenGL

GIMP

Blender


### REFERENCES

Andrew Sayle

(778)-878-3334 

London Drugs Manager

Jay Orr

(604)-720-5511 

London Drugs Manager

### SOFTWARE PROJECTS

#### Tetris AI

- An implementation of Tetris written using the Python programming language with opencv as the graphics handler, NumPy to handle math operations, and TensorFlow and Keras for the Deep Learning Model
- Maximum score achieved through deep learning model was 18136 during iteration 1911

#### GameBoy C

- An implementation of a GameBoy (DMG) and a GameBoy Color (GBC) written using the C programming language with SDL2 as the graphics and audio handler

#### Blue July

- Blue July is a 3D game engine written using the Java programming language with LWJGL used as graphics API

#### 3D Cellular Automata

- A completed implementation of 3D cellular automata, a 3D version of 'Conway's Game of Life', written using the Rust programming language and the Bevy game engine

#### ReactJS Website

- A Portfolio website written using ReactJS and hosted on GitHub Pages
- Website Link: [dylangilson.github.io](https://dylangilson.github.io)

### WORK EXPERIENCE

#### Photo Finisher

London Drugs Ltd.

November 2015 – February 2021 / Langley, BC, CA

- Worked independently and as part of a team in a fast-paced environment
- Learned extensively about customer service and worked with customers to find solutions to their needs

#### Warehouse Picker / Forklift Driver

Atlas Trailer Coach Products

May – Aug. 2019 | Feb. – July 2020 | Present / Langley, BC, CA

- Sorting, organizing, and picking various items for orders by part ID
- Forklift Driver and used Electric Pallet Jack Operator