

Isaac Kilbourne

STUDENT · UNIVERSITY OF WINDSOR

Melbourne, Ontario, Canada

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Education

University of Windsor

B.S IN COMPUTER SCIENCE WITH HONOURS

Ontario, Canada

Sept. 2020 - Present

Strathroy District Collegiate Institute

ONTARIO SECONDARY SCHOOL DIPLOMA

Ontario, Canada

Sept. 2017 - June 2020

- Honour Roll in all four years.
- Highest Academic Achievement in ICS20, 3U, and 4U.

Experience

FIRST Robotics Team 7058 - StrathDroids

PROGRAMMING TEAM & LEAD PROGRAMMER IN 2019

Ontario

March 2018 - July 2019

- (2019) Led a team to use **JAVA** to program a robot for the Destination: Deep Space season.
- (2018) Worked in a team to program a robot with **JAVA** which was on the **winning team** at the regional level for the FIRST Power Up! season.

Burger King Canada

KITCHEN STAFF

Strathroy, Ontario

Jan. 2018 - Sept. 2020

- Prepare various food products to customer specification.
- Work efficiently under pressure to complete orders and other tasks in a timely manner.
- Manage stock levels to ensure product is ready when it is needed according to historical sales data.

Projects

Terminal-3D

A REALTIME 3D VIEWER FOR THE LINUX TERMINAL

- Wrote a custom **graphics API** in **C** which uses ASCII characters to create a canvas-like environment for the **Linux terminal**.
- Wrote custom functions to load mesh data from STL files for the engine to display.
- Learned and used the math behind **3D perspective rendering** to draw wireframe 3D models in the terminal.
- Plans to add Z-Buffering and lighting to the engine.

kilbourni.github.io

MY PERSONAL WEBSITE

- Designed a responsive mobile-first website using **Bootstrap and Animate.css**.
- Designed a persistent theme system in **JavaScript** which allows visitors to choose between a light and dark theme.

Skills

Game Dev	Unity Engine, Blender, Adobe Photoshop, Adobe Illustrator
Programming	Unity C#, C, JAVA, Python
Front-end	HTML5, CSS, JavaScript

Honors & Awards

2020	1st Place Among Students , Advent of Code 2020
2020	Ontario Scholar , Grade 12
2020	ICS4U Highest Academic Proficiency , Grade 12
2019	ICS3U Highest Academic Achievement , Grade 11
2018	ICS20 Highest Academic Achievement , Grade 10
2018	1st Place Team , FIRST Power Up! Waterloo District Event

University of Windsor
Strathroy District Collegiate Institute
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FIRST Robotics Competition