

Isaac Kilbourne

STUDENT · UNIVERSITY OF WINDSOR

Melbourne, Ontario, Canada

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Profile of Skills

- **1+ years of Unity and C# experience** through my own hobby projects; also developed a user interface for developers to easily add a cheat menu to their games which is currently being used in Renditions of the Awakening by Bad Cop Worse Cop Studios.

Technical Skills

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

Education

B.S in Computer Science with Honours | UNIVERSITY OF WINDSOR

Ontario, Canada

Sept. 2020 - Present

- First-year 3.3 GPA

Experience

Programming Team & Lead Programmer in 2019 | FIRST ROBOTICS TEAM 7058 - STRATHDROIDS

Ontario

March 2018 - July 2019

- (2019) Led a team of 4 to use **JAVA** to program a robot for the Destination: Deep Space season.
- (2018) Worked in a team of 3 to program a robot with **JAVA** which was on the **winning team** at the regional level for the FIRST Power Up! season.

Kitchen Staff | BURGER KING CANADA

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

Jan. 2021 - Present

- Developed 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 lighting to the engine.

kilbouri.github.io | MY PERSONAL WEBSITE

Dec. 2020 - Present

- Created 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.

Honours & Awards

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| 2020 | 1st Place Among All UWindsor CompSci Students , Advent of Code 2020 |
| 2020 | Ontario Scholar , Grade 12 |
| 2020 | ICS4U Highest Academic Proficiency , Grade 12 |
| 2018 | 1st Place Team , FIRST Power Up! Waterloo District Event |

University of Windsor

Strathroy District Collegiate Institute

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FIRST Robotics Competition