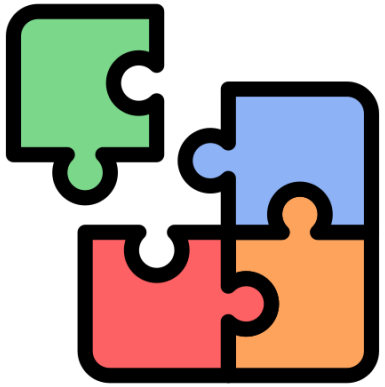
Project 1: Resume

Luke Whaley



Website Link: https://lukewhaley.github.io/Sophomore-Project-1

Index / Main Page

This is the main page of my project. It lists my experience and achievements as an aspiring software engineer.

This page is sectioned into my Career Focus, Education, Engineering Course Projects, and Relevant Experience.

Luke Whaley

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CAREER FOCUS: Software Engineer / Computer Application Developer

Aspiring Software Engineer / Mobile Application Developer with strong skills in Java and Python development. Softmore Computer Science student with strong critical thinking, problem solving, communitcation, and teamwork skills. Seeking a Software Engineering Internship where I can apply my programming knowledge, teamwork skills, and critical thinking skills to contribute to collaborative technological projects.

Education

Bachelor of Science in Computer Science — GPA: 3.88/4.0
Oakland University, Rochester, MI
Expected Graduation: May 2029

Course Projects

This page showcases the projects I have created as a computer science student so far. On this page, I showcase my Music Maker computer application that allows people to create their own songs.

Using Music Maker, the user can set the BPM (beats per minute) of the song, create multiple instruments, and place notes within these different instruments. The user can also save and load their songs.

Engineering Course Projects:

Music Maker Computer Application (CSI 2300-Object Oriented Computing)

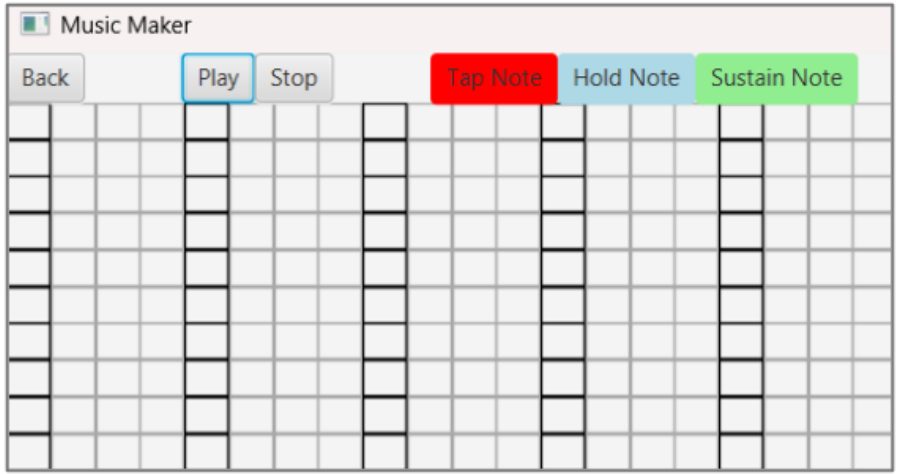
Built a music making program that enables people to create their own songs.

Supported BPM setting, creating multiple instruments, and placing notes.

Implemented a simple saving and loading system to store and manage song data.

Utilized JavaFX to create a clear UI for placing notes and choosing instruments.

The Note View of my Music Maker Program:



Hobbies and Interests

This page showcases my hobbies and interests, giving short descriptions and relating them to my computer science career.

These include game development, slide creation, composing, solving puzzles, and drawing.

Hobbies & Interests

Game Development: Codes games in different coding programs, practicing level design and implementing game mechanics.

Slide Creation: Designs slides for presentations in PowerPoint, improving graphic design and UI interface development.

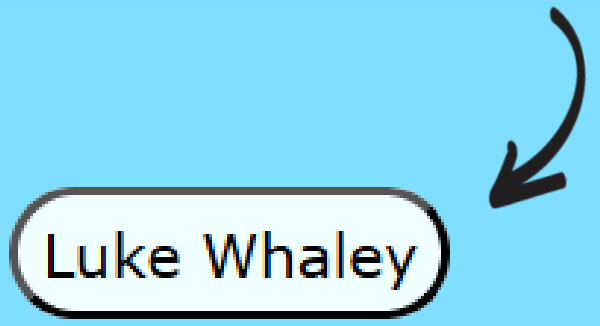
Composing: Utilizes FL Studio and FMOD to create adaptive music and sound effect that can be used for websites and computer applications.

Tags: <a>

<a> tags are used to create clickable buttons and links within my website by using “href.”

This allows users to switch between the pages of my website using buttons within the header and gives the user access to my GitHub.

```
<a href="index.html" class="button">Luke Whaley</a>
```




```
<a href="https://github.com/LukeWhaley" target="_blank" rel="noreferrer">https://github.com/LukeWhaley</a><br>
```

Tags: <*ul*> and <*li*>

 tags are used to create a list of bullet points. Additionally, <li> tags are used to define each bullet point within the list.

These tags help organize the different sections within my website.

```
<ul>
    <h3>Music Maker Computer Program (CSI 2300-Object-Oriented Computing)</h3>
    <li>Built a computer application that allows users to create their own music.</li>
    <li>Implemented JavaFX to create a UI consisting of a view of instruments and a note placing grid.</li>
    <li>Utilized an Audio Input System in order to play sounds at different pithces.</li>

</ul>
```

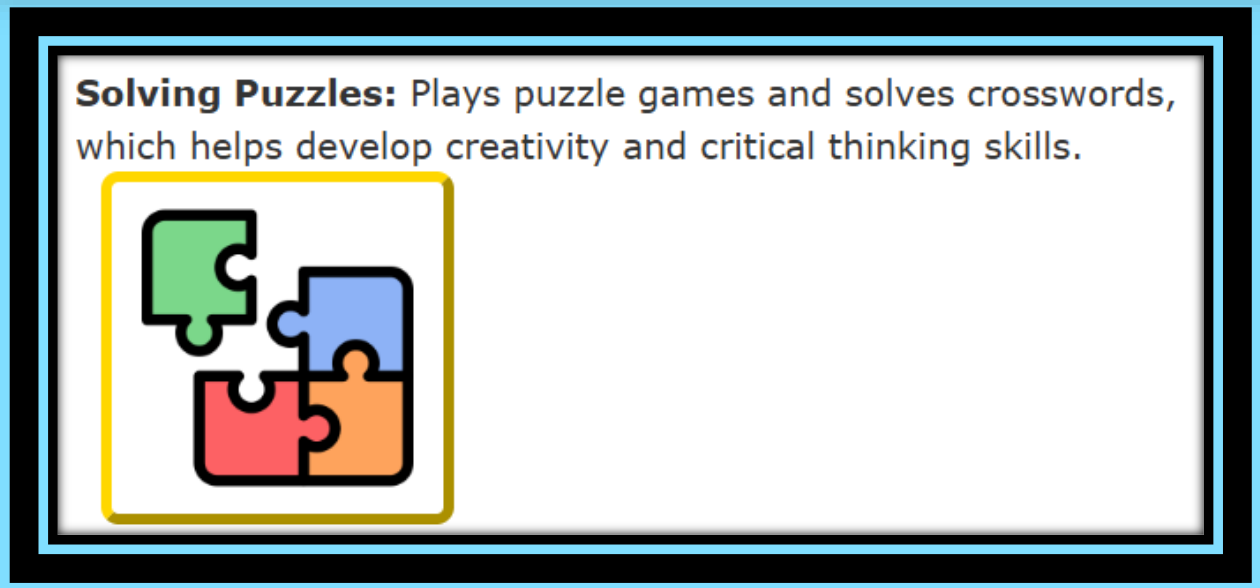
Music Maker Computer Program (CSI 2300-Object-Oriented Computing)

- Built a computer application that allows users to create their own music.
- Implemented JavaFX to create a UI consisting of a view of instruments and a note placing grid.
- Utilized an Audio Input System in order to play sounds at different pithces.

Tags: <*img*>

<img> tags are used to add images to my website. These images are sourced from my images folder using the “src” attribute. The images folder is found using the file directory “./images” which is then followed by the name of the image file that will be used in the site.

```
<img src="./images/Puzzle.png" />
```



CSS Styles: *a.button*

This button style sets the visuals for the buttons within my page.

padding: sets the padding to 6 pixels, adding space between the text and the button outline

border: sets the border width to 3px and gives it an outset visual style.

border-radius: sets the border radius to 70 pixels

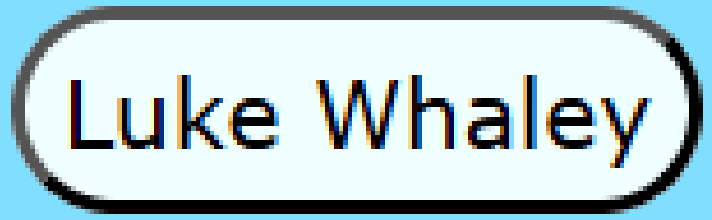
color: sets the color of the text to black

background-color: sets the inside color of the button to an azure color

text-decoration: sets the text decoration to none, removing the underline from the text that results from the button using an <a> tag

margin: sets the margin of the button to 20 pixels, adding space around them

```
a.button {
    padding: 6px;
    border: 3px outset buttonborder;
    border-radius: 70px;
    color: black;
    background-color: azure;
    text-decoration: none;
    margin: 20px;
}
```

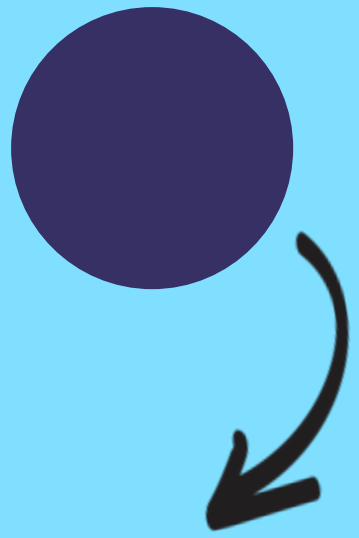


CSS Styles: *body*

The body style sets the visual of the background of my website.

background-color: sets the color of the page background to the hexadecimal code #363065 for a dark blue-purple color.

While this style is only one line of code, it completely changes the tone of the site and makes the content of the page stand out more.



```
body {
    background-color: #363065;
}
```

CSS Styles: *#pageContent ul img*

This style determines the visuals of every image in the Hobbies and Interests page.

float: aligns the image to the left of the page

width: sets the width of each image to 150 pixels wide

height: sets the height automatically relative to the width

margin: sets the margin of the image, adding space around the image from the top, bottom and left side

border-radius: sets the radius of the border to 8 pixels

border: sets the width of the border to 5 pixels wide, gives the border an outset visual style, and sets the color to gold

```
#pageContent ul img {

    float: left;
    width: 150px;

    height: auto;
    margin: 10px 0 12px 12px;

    border-radius: 8px;
    border: 5px outset gold;

}
```