

## **Responsive design**

1. 1920\*1080 (Desktop)
2. 430\*932 (iPhone 14 Pro Max size)

## **Accessible design**

See below

### **Part 1**

The primary purpose of this website is to serve as a portfolio showcasing my design and architecture projects. It is designed to appeal to a diverse audience, including HR professionals from companies, professors, and anyone interested in learning more about my work and me as a designer.

Upon visiting the website, users are greeted by a landing page that introduces my name and outlines the types of design projects I specialize in. The site is structured to offer two main navigation options: one leading to a page about me, and the other to a showcase of my projects. The "About Me" page provides a deeper insight into my background and design philosophy, while the "Projects" page displays five of my most recent works, complete with basic descriptions to give visitors a clear understanding of each project. The header could also link to my resume.

To enhance user engagement and provide a dynamic browsing experience, I have incorporated various interactive elements and animations throughout the site. On the landing page, a fading in and out effect adds a sense of dynamism. The "About Me" page features an interactive ellipse that rotates in response to the user's mouse movements when hovered over, serving both as a decorative and interactive element. Additionally, on the "Projects" page, hovering over project images triggers a blurred color effect behind each image, with colors that reflect the theme of the respective project.

These design choices not only make the site more interesting and appealing, but also demonstrate my skills and creativity as a designer and align with the expectations of my target audience.

### **Part 2**

- Cover page: hover over two choices (the font size will increase as the color changes)
- Cover page: click on two links to go to two other main pages
- About me page: put the cursor inside the ellipse and rotate
- About me page: click on top left header 'Yu' back to landing page / click on Projects to go to project page / click on resume leads to the resume document
- Projects page: scroll down the right part to see all projects
- Projects page: hover on any project (scale change and left description will change)
- Projects page: click 'TireRevive' or 'LinkUp' to go to detail page
- TireRevive/LinkUp: click on the top left back icon to go to the main projects page

### **Part 3**

- Textillate JavaScript Library

- I chose the Textillate library because it provides an effective method to enhance visual interest on my portfolio website, particularly useful in sections without images. It helps in making the website more engaging by animating text in a dynamic manner.
- On the landing page, I implemented Textillate to animate introductory text: each character fades in sequentially and then the whole sentence fades out collectively.
- The use of Textillate adds a layer of dynamic interaction that captures and holds the user's attention. It makes the portfolio cover visually appealing and less static, and ensures that important messages stand out.

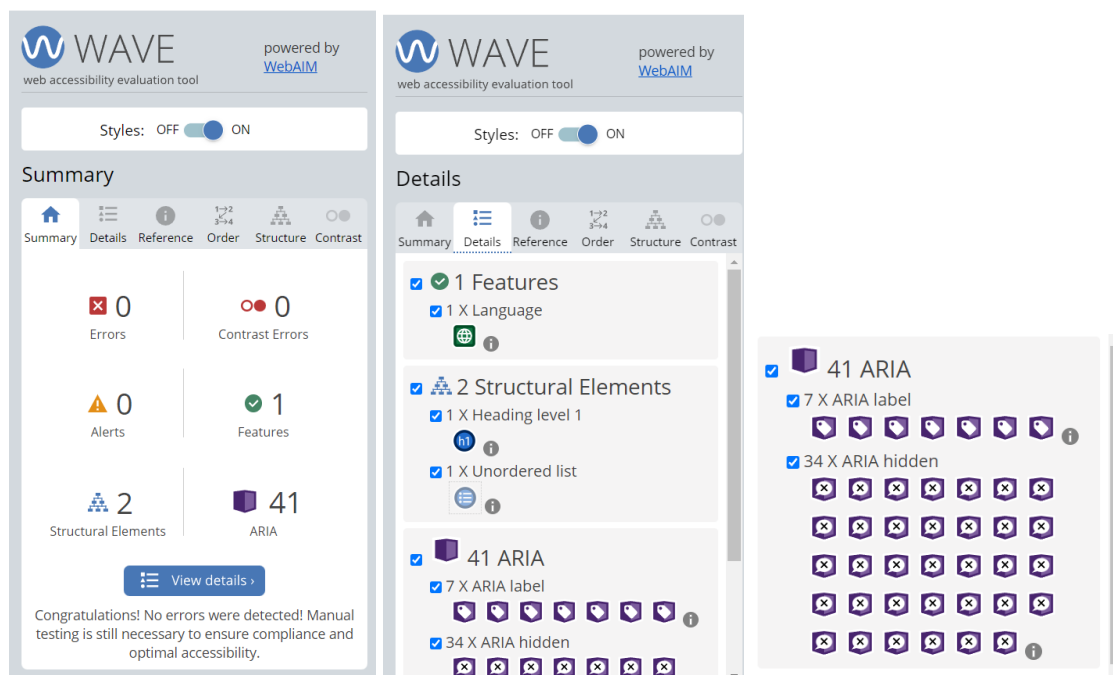
## Part 4

During a critique session focused on my website's design, I received valuable feedback that led to significant iterations in the design details. Key issues identified included the excessive number of fonts used, which made the design appear cluttered, and the blinking cursor in the typing effect, which was found to be overly distracting. In response, I reduced the number of font styles from three to two, which helped to simplify and clean up the visual presentation. Additionally, I enhanced the text hierarchy, creating a clearer distinction between titles and body text.

## Part 5

One of the biggest challenges I faced was designing the layout for the project page, specifically achieving perfect alignment of images and titles in a two-column format. This required several rounds of testing to ensure both aesthetic appeal and functional coherence.

### Landing page



The figure displays two screenshots of the WAVE web accessibility evaluation tool interface, showing the results of an accessibility audit for a website.

**Left Screenshot (Summary View):**

- Header:** WAVE logo, "powered by WebAIM", and "web accessibility evaluation tool".
- Styles:** OFF (toggle switch).
- Summary:** 0 Errors, 1 Alerts, 1 Structural Elements, 0 Contrast Errors.
- Navigation:** Summary, Details, Reference, Order, Structure, Contrast.
- Footer:** "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility."

**Right Screenshot (Details View):**

- Header:** WAVE logo, "powered by WebAIM", and "web accessibility evaluation tool".
- Styles:** OFF (toggle switch).
- Details:** 1 Features, 1 X Language, 1 Structural Elements, 1 X Heading level 1.
- Navigation:** Summary, Details, Reference, Order, Structure, Contrast.

WAVE web accessibility evaluation tool

powered by WebAIM

Styles: OFF ☒ ON

### Summary

Summary Details Reference Order Structure Contrast

Errors	0	Contrast Errors	0
Alerts	0	Features	6
Structural Elements	6	ARIA	0

[View details](#)

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

WAVE web accessibility evaluation tool

powered by WebAIM

Styles: OFF ☒ ON

### Details

Summary Details Reference Order Structure Contrast

- 6 Features
  - 3 X Alternative text
  - 2 X Linked image with alternative text
  - 1 X Language
- 6 Structural Elements
  - 1 X Heading level 1
  - 5 X Heading level 2

## LinkUp

WAVE

web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Summary

Summary Details Reference Order Structure Contrast

0 Errors

0 Contrast Errors

2 Alerts

3 Features

2 Structural Elements

0 ARIA

View details

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

WAVE

web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Details

Summary Details Reference Order Structure Contrast

2 Alerts

2 X Justified text

3 Features

1 X Alternative text

1 X Linked image with alternative text

1 X Language

2 Structural Elements

1 X Heading level 1

2 Structural Elements

1 X Heading level 1

1 X Heading level 2

## Tire Revive

WAVE

web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Summary

Summary Details Reference Order Structure Contrast

0 Errors

0 Contrast Errors

2 Alerts

3 Features

2 Structural Elements

0 ARIA

View details

Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility.

WAVE

web accessibility evaluation tool

powered by WebAIM

Styles: OFF ON

Details

Summary Details Reference Order Structure Contrast

2 Alerts

2 X Justified text

3 Features

1 X Alternative text

1 X Linked image with alternative text

1 X Language

2 Structural Elements

1 X Heading level 1

2 Structural Elements

1 X Heading level 1

1 X Heading level 2