

Part 1: Introduction

The purpose of my website is to provide professional information about myself and present a showcase of my work. The website has three sections: *About*, *Work*, and *Journey*. *About* gives a brief introduction to what I do professionally. *Work* showcases my projects with image previews and short descriptions. *Journey* presents a timeline of my professional activities in college. The target audience are recruiters. The website incorporates a moderate amount of animation to make it interesting and engaging while not distracting users from the main content.

Part 2: Interactions

- Scroll to see different sections appear (*About*, *Work*, *Journey*)
- Hover over each project to see project description in *Work*
- Click on each project to access individual project page
- Click on each navbar item to jump to a corresponding section
- Click on logo to open resume in a new tab
- Click on video images in *Journey* to watch the video in a new tab

Part 3: JS Libraries

- I. Name of tool: [ScrollReveal](#)
 - II. Why you chose to use it? I wish to add animation when scrolling and this js library does the job neatly.
 - III. How you used it? I added the library in the head of html and added custom animations to individual items in my js file.
 - IV. What it adds to your website? It adds animation to items that appear when scrolling.
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- I. Name of tool: [TimelineMax](#)
 - II. Why you chose to use it? I wish to add a sequence of animations to the introduction and TimelineMax does the job neatly.
 - III. How you used it? I added the library in the head of html and added custom animations to the hero image in my custom.js file.
 - IV. What it adds to your website? It adds a series of animations to the hero image.
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- I. Name of tool: [jQuery](#)
 - II. Why you chose to use it? I wish to link each workpiece to its individual work page, which involves making a div clickable, and the best way to do so without messing up the entire design is to add an event handler using jQuery.
 - III. How you used it? I added the library in the head of html and added “click” event handlers to the custom.js file.
 - IV. What it adds to your website? It makes each workpiece under *Work* linked to its individual work page.
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- I. Name of tool: [Materialize](#)
 - II. Why you chose to use it? I wish to create parallax effects in my individual work page and *Materialize* does the job neatly.

- III. How you used it? I added the library in the head of html and added parallax effect in work.js
- IV. What it adds to your website? It adds a parallax effect to images in the individual work page.

Part 4: Changes to Mockups

- I added a fixed navigation bar to the top so users can quickly jump to a section.
- I changed the carousel design for projects to a panel design, so I can show more information for each project rather than just images and titles
- I changed the introduction animation to include a picture of myself since I wanted to show a little bit of myself outside of my professional life.
- I changed the color theme to black because the WAVE tool pointed out that there wasn't enough contrast between my text and my previous background color.

Part 5: Challenges

I had trouble starting on the implementation of every section. I had never coded any websites with the level of interactivity and animation I planned to achieve. However, I was able to find many useful resources and js libraries online to help me realize the design.

Wave Report:

- Home Page

The screenshot displays the WAVE (Web Accessibility Evaluation Tool) report for a home page. The interface is powered by WebAIM. At the top, there's a toggle for 'Styles' (OFF/ON). The 'Summary' section shows the following counts:

- Errors: 0
- Contrast Errors: 0
- Alerts: 4
- Features: 11
- Structural Elements: 14
- ARIA: 0

A message at the bottom states: "Congratulations! No errors were detected! Manual testing is still necessary to ensure compliance and optimal accessibility." A 'View details' button is also present.

The 'Details' section on the right provides a breakdown of the issues:

- 4 Alerts:**
 - 1 X Skipped heading level
 - 1 X Link to PDF document
 - 2 X YouTube video
- 11 Features:**
 - 4 X Alternative text
 - 6 X Linked image with alternative text
 - 1 X Language
- 14 Structural Elements:**
 - 11 X Heading level 1
 - 1 X Heading level 4
 - 1 X Unordered list
 - 1 X Navigation

- Individual Work Page

The figure displays two screenshots of the WAVE (Web Accessibility Evaluation Tool) interface, which is powered by WebAIM.

Left Screenshot: Summary View

- Header:** WAVE logo, "powered by WebAIM", and "web accessibility evaluation tool".
- Styles:** A toggle switch is set to "ON".
- Summary Section:** A navigation bar with tabs: Summary (selected), Details, Reference, Structure, and Contrast.
- Results:**
 - Errors:** 0 (indicated by a red 'X' icon).
 - Contrast Errors:** 0 (indicated by two red circles icon).
 - Alerts:** 10 (indicated by a yellow triangle with an exclamation mark icon).
 - Features:** 6 (indicated by a green checkmark icon).
 - Structural Elements:** 2 (indicated by a blue tree icon).
 - ARIA:** 0 (indicated by a purple cube icon).
- Footer:** A button labeled "View details >" and a congratulatory message: "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:** A toggle switch is set to "ON".
- Details Section:** A navigation bar with tabs: Summary, Details (selected), Reference, Structure, and Contrast.
- Alerts:** A section titled "10 Alerts" (indicated by a yellow triangle with an exclamation mark icon) containing a list of issues:
 - 8 X A nearby image has the same alternative text (indicated by a yellow triangle with an exclamation mark icon).
 - 1 X No heading structure (indicated by a yellow triangle with an exclamation mark icon).
 - 1 X Link to PDF document (indicated by a yellow triangle with an exclamation mark icon).
- Features:** A section titled "6 Features" (indicated by a green checkmark icon) containing a list of features:
 - 4 X Alternative text (indicated by a green checkmark icon).
 - 1 X Linked image with alternative text (indicated by a green checkmark icon).
 - 1 X Language (indicated by a green checkmark icon).
- Structural Elements:** A section titled "2 Structural Elements" (indicated by a blue tree icon) containing a list of structural elements:
 - 1 X Unordered list (indicated by a blue tree icon).
 - 1 X Navigation (indicated by a blue tree icon).