

## Write-up

**Part 1:** My website is an emotion visualizer that takes inspiration from the question “what three colors describe your current emotional state?” The purpose is to help people visualize their emotions and feel validated, but also to just let people have fun by playing with the live animation and seeing how it conveys various emotions. The website is not conveying specific information, but rather serves as a tool for people to explore themselves and their own emotions. It’s interesting because there are many different taboos about expressing emotion, depending on what stereotypes target each user, so being able to explore your emotions in a fun way circumvents those taboos. It’s visually engaging as the live animation bounces around the screen and is a fun interactive visualization between you and the animated blob, whether or not you personally feel connected to its emotions (if you decide to play with emotional states you don’t necessarily feel at the moment). The target audience is anyone who is interested in what emotions look like visually, wish to analyze how they themselves are feeling, or just enjoy interactive animations.

### Part 2:

- slider component: drag sliders left and right to increase/decrease the emotion (stored in the state) and watch how the animated blob reacts as its parameters are changed (which are calculated from the emotions stored in the state)
- emoji buttons: turn extreme states on and off to watch animation shift to preset parameters of that state
- save emotion button: click save emotion button to store current animations emotion data, which is used on the journal page
- journal page / emotion visualizer buttons: click to switch between visualizer & journal pages
- saved emotion state notecards: click individual notecards to revisit what its animation looked like, click X button to close popup
- empty library button: empties saved emotion state notecards

### Part 3:

- React - p5: allowed me to draw live animations easily and quickly. I picked this because I was already familiar with how to use p5, and because p5 is relatively easy to learn, with many online references.
- Slider component: used because sliders are commonly used components and I only needed to customize its style - sliders were the most effective way to interact with emotion numbers. It adds value by letting users easily change emotion quantities and combine them.
- Emoji component: used to insert emojis into buttons, allowing visual communication of extreme states rather than relying on text, since people tend to relate more to visuals than text due to varying types of emotional expression.
- Organic blob code: used to create a fun, changing animated blob. I chose to use this code because it had many different parameters (eg. color, flux, speed, size, layers) that I could manipulate according to emotional state

### Part 4:

I spent a long time playing with different blob codes that I found online, and ended up choosing this one because it was written in code already understandable to me and had many parameters I could manipulate. I originally tried to use SVGs for a long time, but changed my mind and switched to React-p5 because even if it had constraints, I was more familiar with how to use it. I changed some of the styling at the suggestions of my peers to allow all the focus to be on the animation and not be distracted by the colors of the rest of the webpage. I also

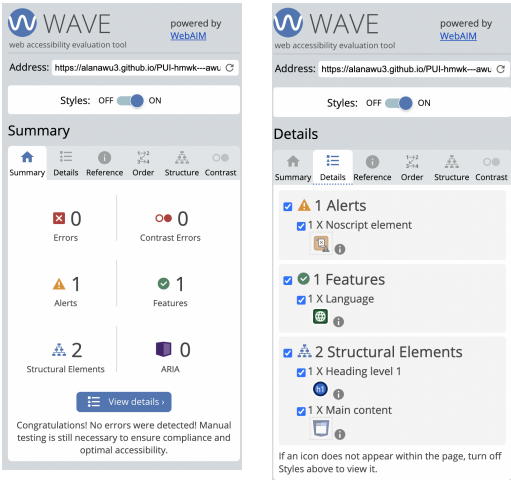
added the extreme state buttons midway because I thought they'd be a fun component for people to see what emotional extremes would look like for the animation.

**Part 5:** I faced a lot of challenges integrating react-p5 and just React in general, because coming into the project, I still didn't fully grasp the basics of how React, state, and hooks work. It was also difficult to find existing animation code that worked well for my purposes because my coding knowledge isn't very broad and I couldn't understand the majority of the animations I found.

**Screen Sizes:** drag to change window size & tablet size

WAVE Screenshots:

Emotion Journal Page:



Emotion Visualization Page:

