

Hello, I'm Alexandria and here's a tour of my portfolio website.

First, I'm going to show you my sitemap. As you can see I have an index page with a navbar that links to three other pages, an About Me page, a Blog page and a Contact page. The blog page links to five sample posts.

Here's the index page. This is intended to be the landing page for my site and the first thing that visitors see. I want to have an eye-catching animation here and a little bit of information about myself.

At the top of my page I have the navbar, which is repeated on every page of my site. The logo on the left links back to the index page, and there are three other links to the other pages. I used flexbox and media queries here to ensure that the navbar looks good across devices. The background of the navbar is a Hero Pattern.

The centerpiece of this page is the animated koi pond, which is my **first graphical component**. In the future, I'd like to implement some Javascript to make it interactive, for example feeding the fish, but for now it's just animated. This is intended to be a small, fun demonstration of my skills to give a first impression. My idea here was to use pure HTML and CSS as much as possible to create the animation- it could have been done more easily with image sprites.

The first layer of the animation is the pond itself, which is a div styled to be circular. The shifting water effect is created by setting the background-image property to a linear gradient and then moving this background back and forth with a keyframe animation.

The second layer is the swimming fish, which is made up of several divs. The invisible outer container is animated so that it moves in a circle along an SVG path. The next div in is the body of the fish. Here, I used the border-radius property to create a div that is tear-shaped, rather than rectangular. I then further manipulated the border with a keyframe animation to create the tail movement. Finally, there are two more divs inside the fish, one to create the orange dot on its head, and another empty one for spacing.

The final layer is the lilypads, and for this I did use an image. I created a black and transparent overlay of where I wanted the lilypads to be and used the mask-image property so that the background gradient only shows through on the filled portions of the image. Lastly, I animated them with a slight bobbing motion.

Next to the pond, I have a short self-introduction with a heading and a paragraph, which is my **first text component**. The underscore after the word "Hello" is animated to make it look like a command-line prompt. In the paragraph, my name is styled with an alternate font to make it look handwritten. This is another component to catch the audiences' eyes and be more fun than plain text.

At the bottom of the page is the footer, which contains social media icons linking to LinkedIn and GitHub, and a copyright statement. This is my **second graphical component** and it is repeated

across multiple pages to make sure the links are always close at hand in case anyone wants to contact me or find out more.

The next page is the About Me page. This features a photo of me, a longer introduction, and a timeline. The photo, which is my **third graphical component**, is again styled to be circular, and it also floats to the left, causing the text to wrap around it. This styled text is my **second text component**, and also contains a button that links to the pdf of my resume.

The timeline below is my **fourth graphical component**, and is created using a series of divs and the nth-of-type pseudoclass. This is a visually interesting way to tell more of my history and journey. Using nth-of-type, I could alternate between divs with borders on the left and borders on the right. I also used first-of-class and last-of-class to create special rules for the first and last entries. I used absolute positioning to move the headings with the years onto the timeline. Because it uses no images, this timeline is responsive to different screen sizes and will automatically apply the correct formatting if I add more entries.

The next page is the blog page. This consists of a series of divs with an image preview and text preview. There is a link within each div with position:absolute and width and height of 100%. This means that clicking anywhere on the blog preview will take you to that entry.

This text preview is my **third text component**. Flexbox is used to arrange the blog previews, so that they will all stack on top of each other on narrower screens. I used the border-radius property to round the corners of the blog previews. They also have a max-height and overflow:hidden to shorten them on small screens. The previews allow the audience to see a small snippet of the blog post to draw curiosity.

The last page is the Contact page, which has a contact form, my **fourth text component**. This is styled to remove the borders and give a softer appearance. Clicking on a field highlights it in blue and rounds the corners. Overall the form is simple and visually appealing compared to raw HTML forms.

Here are the wireframes that I created for my site. I began the design process with the mobile view. I wanted my site to be simple and calming to look at. Therefore I chose a simple color scheme of pale blue and white, and mostly kept to these two colors. Blue is also the color of water, to match the koi pond on the front page. I also chose a sans-serif font called "Roboto" for a simple feel. Several images on my site are circular, and other images and elements have rounded corners for a softer appearance. I wanted my site to be clear and easy to navigate, with no clutter, and I believe I achieved this.

Next I will walk you through the development process. I began by creating and styling the navbar, which appears on every page. Next I added the structure of each of my four pages- the index, about, blog and contact pages, with placeholder images and text. A challenge here was styling the blog page and making sure that the preview cards matched the height of the preview image on all screen sizes. Once this was done, I turned my attention to filling in the spaces where the images would go. At this point I started working on the animated pond, which probably took the most time. I

had to learn a lot about CSS animations and even how SVG paths are stored in code. Next I added the image and timeline to the About page. This was also a bit of a challenge because I needed to understand more about pseudoclasses like nth-of-type. While it's fairly simple, the timeline is one of my favourite parts of the site.

I don't feel that I encountered any major ethical issues in constructing my site. On that front, I made sure to provide attribution for the images within the README and use semantic HTML for accessibility.

This concludes my presentation. Thank you for listening.