**Yucheng Zhu’s portfolio webpage**

[**https://pipipig-yz.github.io/Public/**](https://pipipig-yz.github.io/Public/)

Some of the JavaScript are done by ChatGPT. And the back to top button is an assert get from website.

After I was done with all the code, I put it into ChatGPT to do responsive design by GPT. But it doesn’t work, it only changed px to em. So I manually adjust the @media(max-width) by myself.

Website Introduction

This is my personal website, inspired by another designer’s work that caught my attention for its unique and interactive design. On the main page, I chose to feature a selfie prominently in the center to make it visually engaging. This selfie is not static—it moves slightly when you hover over it with your mouse, creating a sense of interactivity and dynamism. The idea for this hover animation came directly from the designer’s website, where a similar effect was used. To replicate and adapt this functionality to my style, I inspected the animation elements using the browser console and integrated them with the guidance of ChatGPT.

In the background of the main page, my Chinese name, nickname, and English name are displayed in a scrolling animation. The names glide smoothly across the screen, alternating between left-to-right and right-to-left directions. While the designer whose work inspired me used a similar effect in the footer, I adapted it to the main page to create a more lively and animated atmosphere. This choice was intentional, as I wanted visitors to feel the energy and creativity of the website as soon as they landed on it.

Scroll Name Animation

Creating the scroll name animation was a time-intensive task that spanned one to two days of dedicated work. The animation itself combines elements from the designer’s website and a concept generated with the help of ChatGPT. My version includes three variations of my name: Chinese name, nickname, and English name.

To achieve a smooth and continuous scrolling effect, I duplicated the text content three times, effectively creating a sequence long enough to avoid gaps on the screen during the animation. This step was necessary because, without repetition, the animation would leave blank spaces as the text moved. The animation design relies on moving the content across 50% of its total length, which required careful calculation and adjustment to ensure seamless looping.

Moreover, I enhanced the animation by gradually changing the opacity of the text between the left and right ends of the screen. This subtle touch adds depth and polish, making the scrolling effect appear more professional. The animation leverages CSS keyframes, where only the initial and final positions of the text need to be defined. The browser handles the intermediate transitions automatically, simplifying the process while producing an elegant result.

Album Section

The album section is another highlight of the website, serving as a visual introduction to my projects and photographs. This section was incorporated after I completed designing the album and project pages. The section features a collection of curated photos, displayed with an interactive scrolling animation. When you hover over an image, it zooms in slightly, inviting the viewer to explore it further. Clicking on an image redirects users to its corresponding project page.

One of the most challenging aspects of this section was implementing a fullscreen view for individual photos. This feature allows users to click on any image and see an enlarged, detailed version of it. To achieve this, I used a modal overlay technique with a gray background that creates a dimmed effect. The selected photo is displayed prominently above the overlay, using a higher z-index to ensure it remains the focal point.

On the technical side, each photo is assigned a unique ID. When a photo is clicked, a JavaScript function retrieves the corresponding element and dynamically generates the fullscreen view. This combination of CSS, JavaScript, and HTML provides a polished user experience that feels intuitive and engaging.

Footer and Navigation

The footer design combines functionality with aesthetics. On the left side, I added vertical text featuring my English name, Chinese name, and nickname. This decorative element creates a sense of balance and symmetry. At the center of the footer, I included my email address along with a "Back to Top" button for easy navigation. The idea for this button was inspired by another website I encountered during a presentation.

The right side of the footer features quick links to the primary sections of the website, including the album, project, main, contact, and about pages. These links allow users to navigate seamlessly across different parts of the site.

The header contains the main navigation bar, which includes links to the same sections as the footer. To optimize screen space, the header hides when users scroll down and reappears when they scroll up. This responsive behavior required careful coding, as it involves monitoring both the mouse’s position and the scrolling direction.

To enhance user interaction, I added hover effects to the navigation buttons. When a user hovers over a button, it zooms slightly, and the background changes to a vibrant blue, while the text turns white. This effect provides clear visual feedback, ensuring users recognize the buttons as interactive elements.

Album Page

The album page serves as a gallery showcasing all the photos I’ve taken, arranged in three evenly spaced columns against a gray background. Hovering over a photo subtly highlights it, while clicking on it opens a fullscreen view with an enlarged version of the image. A small button at the bottom of the screen allows users to return to the main album page.

To maintain smooth performance, especially given the high resolution of the photos, I implemented lazy loading. This technique ensures that only the photos visible on the screen are loaded initially, reducing load times and preserving the website's responsiveness. Additionally, I resized and cropped the photos to achieve uniform dimensions, creating a clean and professional layout.

Project Page

The project page highlights three key projects, each presented with an interactive design. One of these projects is a video introduction I created during high school and uploaded to Bilibili. Each project section includes a title and a brief description that slides down when hovered over. This sliding animation was inspired by a creative website called "Hello Monday."

Hovering over a project image triggers a zoom effect, while clicking on it redirects users to a dedicated project page. To add a unique touch, I incorporated small dots that slide in from the right side of the screen. These dots, along with the title animation, required meticulous adjustment of timing and positioning to achieve the desired effect.

Contact Page

The contact page is straightforward but visually appealing. It features icons for LinkedIn, Instagram, and a WeChat QR code. Hovering over these icons reveals additional details, such as a larger QR code or profile information. A quick email link is also included in the footer for convenient communication.

The hover effect for the icons is achieved using CSS. Each icon consists of two images layered on top of each other with differing z-index values. When hovered over, the opacity of the foreground image decreases, revealing the background image. The transition effect, set to 0.3 seconds with ease-in and ease-out, creates a smooth and polished animation.

About Page

The about page acts as my digital resume, providing an overview of my background, education, and achievements. The page begins with a friendly greeting: “Hello, Nihao! I’m Juju Chang.” This is followed by a short introduction about my major, interests, and personal journey.

The education section lists the schools I’ve attended, displayed with years at the center, English text on the left, and Chinese text on the right. To address the differences in font size and line height between English and Chinese, I divided the content into three separate boxes for better alignment.

In the leadership and awards sections, I maintained a consistent format. For bilingual content, I used a 60:40 ratio, with English occupying more space. This ratio ensures the layout remains tidy and aesthetically pleasing.

To make the page easy to update, I designed reusable templates for each section. Whether I want to add new achievements, projects, or awards, I can simply copy and modify the existing templates without disrupting the overall structure.

Responsive design.

After I did the laptop version, I used @media() to adapt to the phone version. I tried to use ChatGPT to adjust but it didn’t work. I just detect the width of the window and change each css file and measure.

User 1.

On the first page, she tried to click on my selfie and think it will lead to the first page. I use her advice to link my selfie to my about page. And it was really good. Then when she view other pages, I found she didn’t release what is button what is not. So I made every clickable button 1.05 on scale transform.

User 2.

He click all the navigation bar and navigation in the button. Then he found bugs. Some of the link to the subpage don’t work. It was because I copy the link of index page to all other subpage so the path of the page is not working.

User 3.

He told me to change the ratio of English text and Chinese text. Because if the ration don’t change then the length of English and Chinese is not the same length.