

Responsive design

I designed my website responsiveness based on the screen size of the device that people use to visit the webpage. I have researched and selected the most popular screen sizes and used this as a dividing line for the different layout of my website.

To trigger responsiveness, set the browser size as 1366px(for desktop), 768px(for tablet), and 375px(for cellphone).

Since my webpage has a lot of content, and my visual design is a bit complex. So to get people the best visual and interactive experience on different screen sizes, I customized different layouts for different screen size.

Grid and/or flex box

Homepage: About, bio and Project class all used grid. I tried symmetrical and irregular grid system here to achieve advanced visual effects while maintaining the responsiveness of the page over a certain range. If I don't use the grid for about and bio, I will need to redefine this part with a lot of CSS, and I probably need to use float to achieve the left and right distribution, but this will cause trouble for my following content. As for the project part, it is more for the ascetic experience, and it is difficult to achieve the effect I need in other ways.

Media: All the video and text combination used grid (class ink, smoking, converse, and bullying). I use grid to ensure that the distribution of video and text is presented in the way that I designed.

Galley: All the photo collections used grid (class miamiphotos, neworleansphotos, and chongqingphotos).Grid is the simplest way to implement symmetrically distributed albums, and I can easily adjust the distance between photos to suit different devices.

JavaScript and/or jQuery

Homepage: Testimonial slider (class client) used JS, I learned this code from w3school.com and rewrite the code to get rid of the arrows and changed the css to suit my needs. Using the slider saves a lot of space for multiple testimonials, and also make it easier for people to read and interact with the page.

Gallery: Photo collection lightbox (class miamiphotos, neworleansphotos, and chongqingphotos) used JQ. I learned this during the lecture and I wrote the code for my website. Photo size is limited by the screen size, by using lightbox, people can access the photo with its original size to see more details.

Extras

I used slider and lightbox that we did not do in class together.

I used canvas to create different backgrounds that include trapezoid and curve.