

## Homework 8 Write Up

**Github Link:** [https://radibi3000.github.io/Homework\\_8/](https://radibi3000.github.io/Homework_8/)

### Part 1 (My Website)

1. The purpose of my website is to demonstrate the skills and knowledge I have gained in the last 4 months in the form of a *portfolio*, to display at future job interviews and for prospective employers and professional connections to *see* what I have achieved in my time learning HCI at CMU thus far.
2. On my website, I make it clear who I am, what skills I possess through a graphical interface, and a list of projects that I feel describe my skillset. I also have a page for users to *contact me* with if they choose. Overall, it is all the things I've done in my HCI career so far presented in a clear website fashion.
3. I believe my website is interesting because of the color choice, inspired by portfolios I've seen, along with having unique animations to capture the user's attention. I also used a bar chart to display my skills as opposed to a body of text or another text medium. This was done to display my skillset in a unique manner which I believe I thoroughly conveyed.
4. My target audience is broad, anyone in the HCI space who is interested in working, with me or learning about my experience. Specifically to future employers who want to understand my skillset and the projects I have worked on more closely.

### Part 2 (Main interactions)

A. *Color change on hover for links:* From the main page you can select one of the various links on the navigation bar and on other pages (project page, project detail page, and contact page) these links change text color when hovered over. I implemented an on-hover text color change using CSS. Additionally when you hover over the bar graph in the skill information is provided on the specific data point and value for each bar. This is done through CanvasJS.

B. *Scale by 1.25x on hover for project details:* If you go to the project page, there are three specific projects, each one of these projects when hovered over pop up at the user, here I implemented an animation where on hover the scale increase of the box element by x1.25 this was done utilizing a scale in CSS.

C. *Submit Button function:* If you go to the contact me page, the submit button provides feedback to the user that their message was received and sent to me.

D. *Previous and Next Button on Project Pages:* On the individual projects' respective pages there are two buttons in the right corner *previous* and *next* these buttons cycle through all the projects I have completed.

### **Part 3 (External Tool)**

A. I used Canvas.JS and CSS Animations on my website

B. I chose Canvas.JS because I wanted to demonstrate my skills and the years of experience I possess. From what we learned in the Data Visualization lecture I felt it was appropriate to demonstrate something visually. I found CanvasJS by searching for javascript graph creating tools and this library stuck out to me.

C. I utilized CanvasJS by creating a Canvas ID on my Skills HTML page and then in my javascript file creating a bar graph that has all my skills on the X-axis and my years of experience on the Y-axis. Innate to CanvasJS there are some quick animations and a hover feature that provide a unique viewing experience that many of my classmates appreciated.

D. This adds a unique data visualization medium to view my skills through an interesting chart. I hope employers would see this and be interested and remember my portfolio. It also adds an easy-to-understand view of my experience that is readily readable and accessible.

### **E. My Website is Responsive to Ipad and Laptop Layout/Display**

### **Part 4 (Iterations)**

My Homework 7 mockup laid the groundwork for my final assignment and I followed the general design closely. however, as I began to implement I did make some important adjustments.

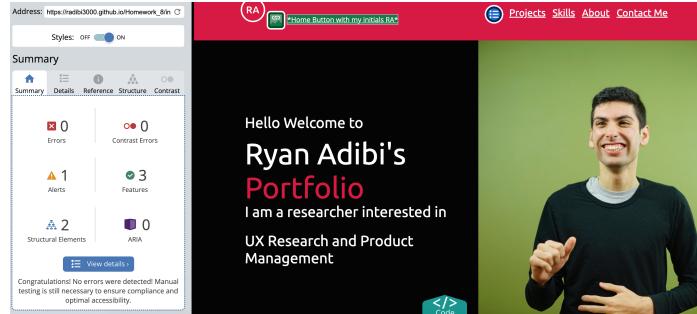
One is the addition of various animations such as a *Typewriter effect* on the front page that goes through and adds text describing who I am this was not envisioned in the original mock-up but I felt it added a layer of playfulness and creativity to my website. I also added a more detailed Contact Form with a submit button as opposed to the high-level design I had in my original mockup. Finally, I iterated on the color and general design a bit to be responsive beyond the web first interface I designed for.

### **Part 5 (Challenges)**

There were various challenges throughout this homework assignment, non-larger than figuring out CSS display. In my previous homework I “hard-coded” everything, using absolute positioning to place things where they needed to go. This functioned fine for the previous assignment, albeit it took longer than it probably required, but I realized that my website was by no means responsive. In this assignment, I made sure to use flex through learning from online resources, teaching staff, and colleagues to help organize my code. I’m happy I was able to tackle this problem and plan on using these skills in future programming activities.

Another challenge was fixing bugs, many times I would run into issues where I was totally unclear on what the bugs were, using Console.Log and the inspection tool was critical in the solution to this. I definitely see the essential nature of bug fixing and am excited to utilize them as I continue programming

# Images from Wave Report



**No Errors found! On all pages.**