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PUI Section E

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Assignment 8 Write-Up

Link to hosted website on Netlify: <https://kind-fermi-3fa513.netlify.app/>

Link to Code on GitHub: <https://github.com/RuocenLiao/portfolio>

**Part 1: Description of my website**

I made a portfolio site for this assignment to showcase some of my projects and highlight my skills. I included a diverse set of projects: one on website design and implementation, one on user research, and one on animation. Each project has a short about summary which is followed by more details of the result or solution as well as details of the process. I also have an about page with a brief introduction about me and links to social media, email address, and resume.

The website is interesting to look at with the simple and pleasing layout and desaturated color palette used. Through the various microinteractions, users are also able to stay engaged and see visual changes take place when navigating around the website. The target audience is anyone who is interested in learning more about me in a professional context, such as future employers, professors and classmates.

**Part 2: How users can interact with my website**

* Nav bar:
  + shows underline animation when hovering, the text for the current page is bolded
  + in small screens, menu items change into a hamburger icon and clicking on the icon opens an overlay with menu items, hovering over each item changes color of the text and background color
* Home page:
  + cards are enlarged when hovering to show current focus
  + when hovering, the buttons in the cards shows a shadow and the text inside is underlined to indicate that it is clickable
* Project details page:
  + when scrolling, the side menu updates the name of section that is currently being viewed as bold and enlarged.
  + click on the titles in the side menu takes the user to that section
* About page:
  + Hover over social media icons to see it moving up
  + Hover over “Email Me” and “See My Resume” to see the text underlined
  + Click on “Email Me” to open a window to send an email to me
  + Click on “See My Resume” to open my resume in a new tab

​**Part 3: External tool used**​

* Name of tool
  + React
* Why you chose to use it? (2-4 sentences max)
  + The advantage of React is the ability to better reuse the code. I chose to use React because the card items and the project details pages have very similar structures and can take advantage of the property.
* How you used it? (2-4 sentences max)
  + I created different components for the nav bar, project details pages, and about me pages and the cards. I was able to reuse the code for card items by creating a component for the card item and used the props to input different text and images for each card.
* What it adds to your website? (2-4 sentences max)
  + It adds to my website by making the code a little cleaner and more modular.

**Part 4: Iterations on homework 7**​

I redesigned the home page from homework 7. I realized as I was working on homework 8 that I did not really consider how my website will look like in small screens and my original diagonal design did not work well translating to small screens. So I decided to go with a more conventional and easy-to-work format with cards.

​**Part 5: Challenges encountered**

Some of the challenges including learning React, implementing the side menu interaction, and deploying the React app. But I was able to resolve the challenges by searching online, getting help from TAs, and spending a lot of working on the project.