

PUI Final Project

Informational Tool

Website Description

The purpose of my website is to provide users that are unfamiliar with the field of Human Computer Interactions a resource that delivers a foundational introduction to HCI.

In the website, it starts with the question “What is HCI?” and below that section, a definition is provided. Afterwards, a breakdown of some of the areas of HCI and a brief description of each area is given. Although this section is mainly for delivery of information I gave the text transitions or animations onto the page, to provide some visual interest.

Below the “Areas of HCI” section is the articles section of my website. This collection of articles provide users a more in-depth dive into a specific topic that interests them. For example, if they were interested in learning more about specific topics related to UX, they could filter articles by the UX tag and be shown articles on that topic. The filter the user interacts with provide them with the choice of content they wish to learn more about.

And right below that is an animated time-line section that gives a condensed overview of progress in HCI research and technology.



User-Website Interactions

Note —→ Test 767px wide for Mobile
Test 1920px wide for Desktop

- **Navigation of Sections**

- On the home page, there are a total of 6 sections. The links within the navigation bar will bring the user to the selected section by scrolling to a target; in this case the section's ID. For example, if you just loaded up the page and wanted to go to the articles section, you would click on 'ARTICLES' in the navigation bar and it will scroll to the target, which is the 'ARTICLES' section.

- **Text loads when scrolled into view**

- Scrolling through the home page or one of the article pages will trigger text to load or trigger animations to start upon scrolling into view.

- **Articles Filter**

- On the home page, scroll down to the 'ARTICLES' section where you will find the selection of articles on HCI. Above the articles grid, you will find a series of buttons which is the filter. By selecting the different filter options, the grid will reorganize to display only the selected filter. For example, selecting the 'UX' filter will only display articles that are related to 'UX'.

- **Articles**

- On the home page in the 'ARTICLES' section, you can click on a specific topic and it will take you to the article page where you can read more about the topic of interest. For example, if you wanted to learn more about personas you could read more about them by going to 'ARTICLES' and filtering by 'UX' and selecting the personas article. Please test on the first 4 articles under 'UX'.



External Tools

- **Bootstrap**

- Chose to use it because it was recommended in the 'FP Goals' sheet. Also the tool provides a really quick way to layout things like the navigation bar and content on my web site.

- **HTML5Shiv**

- To increase accessibility. Allows basic viewing of site on legacy browsers.

- **JQuery**

- Used library to handle some functions and interactions of the website. Some of these include the article and filtering functions, as well as the navigation bar.

- **Respond.js**

- I chose to use this because the library provided a way to make webpage more responsive. Allowed me to have specific CSS styles for specific screen sizes.

- **wow.js**

- I chose to include this for its animations. In my webpage, the content (mostly text) uses the animations that activate on scroll.

- **Animate.css**

- I chose this library because it contains an extensive collection of different animation types. Used on my webpage to animate content.

- **Font Awesome**

- Chose this great library because it has an extensive collection of icons for my webpage. You can see some of them in my 'Areas of HCI' section.

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Process

Through my process of iterating on my design, I made a couple of changes from my original design. Originally, my design was going to be in grey scale, but I decided to include a more 'bolder' main color scheme of black and some shades of yellow for my website. I received some critique from classmates that tested my design and I was told that doing so would make my design visuals more interesting and engaging by using some colors.

Also, I decided to modify some of the graphics that I had in my original design by using animation libraries I used in my project, to make the visuals even more engaging. You can see this in the 'Human Computer Interactions' definition section, where each area of HCI bubble transitions in when scrolling.

And there was a major change in how I organized the content I wanted to include in the website. Instead of including links at the bottom of the page to each section of HCI, I decided to create a grid of articles using jquery.isotope.js as a template and migrate some of the information into some articles.

V

Challenges

When implementing my website, I found making the website more responsive challenging. It took a lot of trial and error to get my webpage to display the way I want it to. Also given the time constraints, it was a challenge to implement all of the resources I wanted to include. To stay within time constraints, only 4 articles were fully designed and implemented into my web page.