

## **Workshop #1:**

**Date & Time: Oct 1st, 3:00PM**

**Location: SCI 158**

**Topic: Basics of HTML, CSS & JS, build your own personal website!**

## **Timeline:**

### **- Introduction w/ Leadership**

- New Event - Speaker Talks & Conference Later in the Semester
- Announce 3 available roles
  - Webmaster
    - In charge of running and updating the website
  - Planning Coordinators (2)
    - Responsible for organizing and marketing for workshops and events

### **- Slides:**

- At the foundation of websites today is HTML, CSS, JS.
- You can think of HTML as the backbone structure and layout
- CSS as the theme/style
- JS as the programming which determines how data is manipulated the page, and how the page reacts to user input or events.

### **- HTML**

- Basic Layout, Tags, Components (header is generally introductory content and navigation links)
  - Tags are 'sub-containers' in a web page that defines how your web browser should format and display content.
- Head vs Body
  - The <body> encapsulates the contents of the document, while the <head> part contains information about the contents. This is (typically) title, encoding, author, styling etc
- Hello World Header
  - The <header> element represents a container for introductory content or a set of navigational links
- Label/Class/Tag Id
  - A way of giving an element a name or something to refer to

### **- CSS**

- Use CSS to customize header, size, color, font in CodePen

- JS
  - importing script into html page
  - Use JS button
  - Customize button function

CodePen Link: <https://codepen.io/likeaj6/pen/YrxxRZ>

## Tag Snippets:

### HTML:

- Start with very simple ONLY html site
- Browser renders a website based on the html. When you go to a website, they are sending you a copy of the html to render on your browser.
  - This is why, you can open up a html file from your computer, and have it look like a website
- Starting format for a html file
  - `<!DOCTYPE html>`  
`<html>`  
`<body>`  
     body stuff here  
`</body>`  
`</html>`
- `<h>`  
 header stuff here!  
`</h>`
- `<div>`  
 i am a divider, i divide content inside a page into sub-blocks  
`</div>`
- `<b>`  
 bold text here  
`</b>`
- `<i>`  
 italicize text here  
`</i>`
- `<li>i am a item in a list</li>`
- ordered list:  
`<ol>`  
     `<li>i will be numbered</li>`  
`</ol>`
- unordered:  
`<ul>`  
     `<li>i will be a bullet point</li>`

</ul>

- 
- <a href="link/To/Some/Other/Link"><a/>

CSS:

- color: "red", color: "#FF5C5C"
- padding-left: "50px", padding-right: "10%",
- height: "50px", width: "50%"

JS:

- onClick="alert("Hello!")"
- get element by id