**Introduction to Web Development Topics**

Schedule:

* 1 hour 50 min (110 min) class
  + 10 min: Check-in & Welcome
  + 10 min: Slides Presentation
  + 40 min: Learning HTML/CSS/JavaScript
  + 30 min: Break/Time to work on personal website individually
  + 10 min: Deploy on GitHub
  + 10 min: Sharing the website with class

HTML:

* <!DOCTYPE html>, <head>, <body>
  + <title> inside the header
* Why is it called index.html?
  + There are going to be multiple html pages and most servers default configuration is to find index.html first
* Open index.html on browser
  + URL shows relative path in your local machine, and it cannot be accessed online
* Tags
  + There are only 10-15 that are commonly used and no need to memorize all to be a developer
  + Element: <tag> content </tag>
* List of tags to cover
  + Heading <h1> … <h6>
  + Paragraph <p>
  + Stylistic
    - Bold <strong>
    - Italicized/Emphasize <em>
    - Underline <u>
  + List <ul> or <ol> with children of <li>
    - You can nest it
  + Division or Section <div>
  + In-line Element <span>
* Self- Closing Tags
  + Line Break <br>
  + Image <img>
    - src
    - alt
    - width
    - height
  + Video <video>
  + Link/Anchor <a>
    - You can wrap the tag around any element

CSS:

* Flex
  + Align
  + Justify
* Color
* Background Color
* Fonts
* Height/Width
* Border
* Margin
* Padding
* Border

Students’ Websites Examples:

* <https://rudyrs.github.io/>
* <https://evanzhu07.github.io/>
* <https://shmeeeh.github.io/>