SI 339 CPD4

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Large Screen Optimization and Responsiveness

Media Queries

Mobile-first design

```
Disco
```

Other media queries

Different queries have been made for:

- Small tablets
- Large tablets and laptops
- Desktops

O2 CSS Quality

My CSS is well-organized

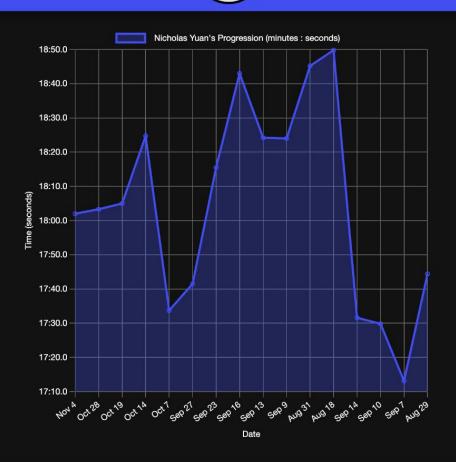
- I have heavily commented each section to organize and make different types of elements stand out from each other
- I don't reuse CSS, especially in my media queries
- When I styled an element in more than one instance, it was so I could organize the styling better in a way that made sense to myself and to other readers.

This CSS is easy to navigate, and there aren't any conflicting or overwriting styles

```
body {
   font-family: 'Roboto', sans-serif;
   margin: 0;
   padding: 0;
   background-color: var(--surface-color);
header {
   position: sticky;
   top: 0;
   background-color: var(--secondary-color);
   box-shadow: 0 16px 16px \square rgba(0,0,0, 0.35);
   padding: 15px;
   display: flex;
   justify-content: space-between;
   align-items: center;
footer {
   margin-top: 4em;
   justify-content: center;
   text-align: center;
   visibility: visible;
   text-decoration: underline;
   width: 50%;
```

Incorporates JS

Auto-populating graphs with Chart.js



Other pieces of JS on my site:

Lightbox

I use Lightbox 2 on the athlete pages to allow users to enlarge athlete images

Automatic Light / Dark theme and smart color theme switching

JS is used in my header to make the color scheme switching experience seamless

Automatically scaling header

The header shrinks while maintaining the aspect ratio of the content within it

^{*} I already had code in my Python script in place to take care of a profile picture not being found on the athlete pages

WAVE / aXe Testing

Tested with all color themes

No issues were found when switching between light mode, dark mode, and high contrast mode

Tested on both page types

No issues were found even with varying content types on the homepage and athlete pages

Addresses Prefers-Reduced Motion Preference

Addresses Prefers-Reduced Motion Preference

Prefers reduced motion query

```
@media (prefers-reduced-motion) {
    details[open] > *:not(summary) {
        animation: details-show 0ms linear;
   button, .nav-home-button, .color-options-menu{
        transition: 0s color linear;
       transition: 0s background-color linear;
    details summary {
       transition: 0s color linear;
        transition: 0s background-color linear;
    header {
        transform-origin: top center;
        transition: height 0s ease, transform 0s ease;
    #scroll-scale {
        transition: height 0s ease, width 0s ease, transform 0s ease;
```

Lightbox reduced motion

Fully Keyboard Accessible

Fully Keyboard Accessible

Use of tabindex attribute

I defined the tabindex of navigation elements in my html headers, and used a tabindex when creating my html files with the Python script to make sure every piece of data is accessible by keyboard.

```
# Generate dynamic HTML table for 2024 races (excluding the Name column)
def races_table_maker_without_name(races_list):
    if not races_list:
        return "No races available"

html_table = "\n\nPlace\nTime\nDate

tab_count = 6
for race in races_list:
    html_table += f'{race['Place']}

tab_count += 1
html_table += "\n"
return html_table
```

Presentation and Clarity



Usable, simple, & clean



Ann Arbor Skyline XC op 10 Men's and Women's Times

↑ Top 10 Men's Times

| Name | Time |
|---------------|-----------|
| Connor Jett | 14:21.8PR |
| Bruno Cifaldi | 16:57.4PR |
| Nicholas Yuan | 17:13.1PR |



Nicholas Yuan 10th Grade, Ann Arbor S

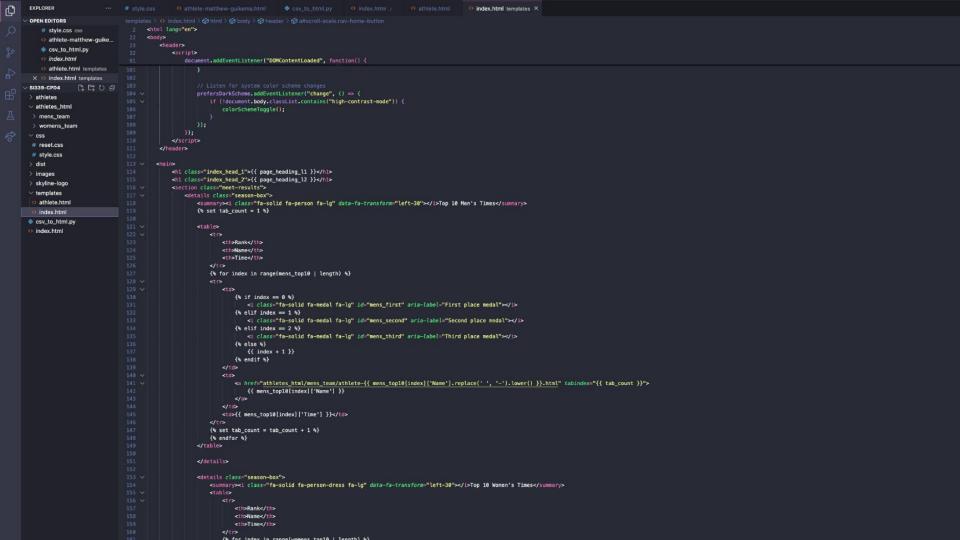
Click on Nicholas Yuan's profile picture to

Athletic.net page

ネ All Races

Time Date Meet

Knowledgeability



Questions?

GitHub Repo GitHub Pages Slide Deck

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Thanks!