

Instructor: Dr. Phu Phung

Individual Project 1

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Figure 1: Headshot

Intro

This project is on creating a professional webpage that includes elements from lab 1 and lab 2.

Overview

<https://github.com/phamrina/phamrina.github.io>

I learned that designing a layout is more difficult than I thought. I made a website like this in the past but I learned a lot more from this project. Integrated cookies and web API's were a bit finicky at first but I eventually got them to work reliably. The thing I spent the most time on was trying to get everything laid out how I wanted. I originally wanted to have two columns with boxes with different heights but I could not figure out how to translate that into code so I went with a more standard layout.

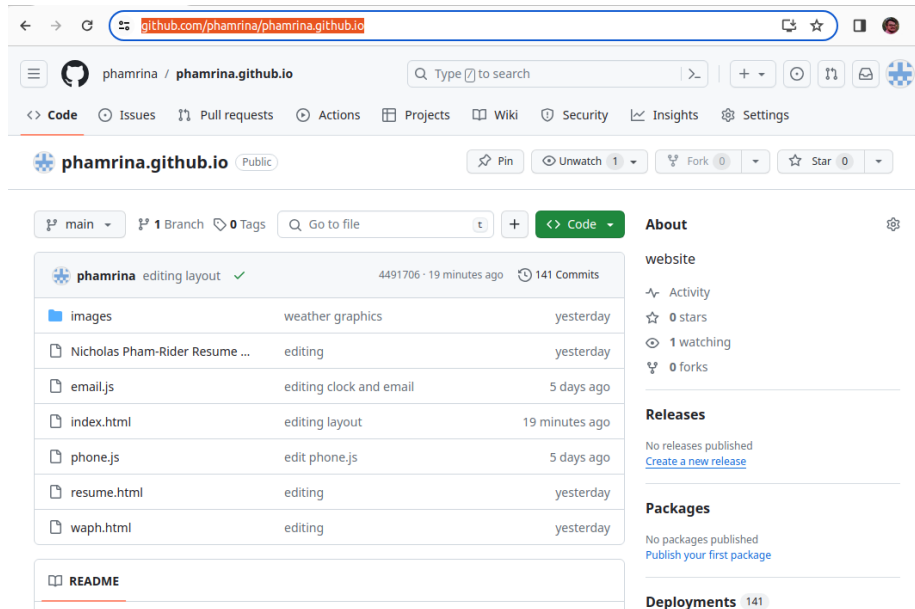


Figure 2: Github Hosting

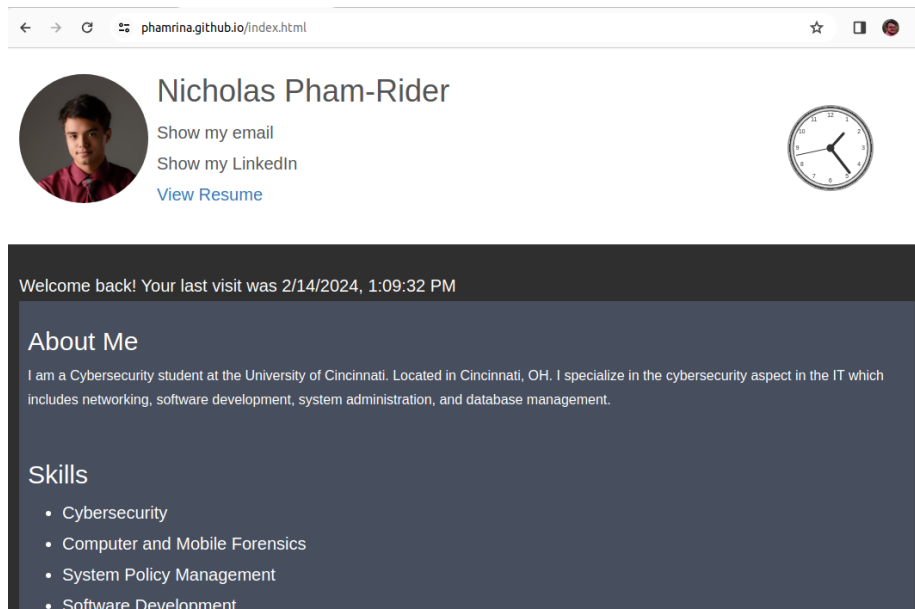


Figure 3: Website

Hosting

Github hosting is as simple as creating a public repository, selecting which branch to be the directory for the website, and making a index.html file.

Link

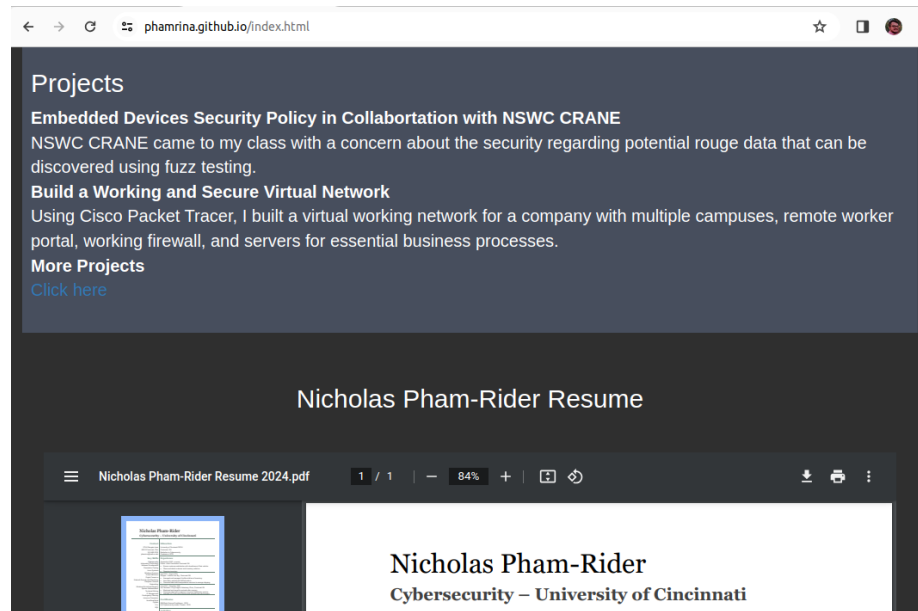


Figure 4: URL to WAPH Page

The link is made by `Click Here`

Page Tracker

The provider of the flag counter provided a reference link and all of the code. I just put it in its own div.

jQuery

I tweaked the code a bit from lab 2 and then made it fit within the layout of the page using media objects and bodys and footers.

Joke and Weather API

The jokeAPI was plug and play other than an a setInterval function that updates every minute. The weatherAPI was a bit tricky as I had no other experience working with APIs. I had to do some of my own research on how to implement

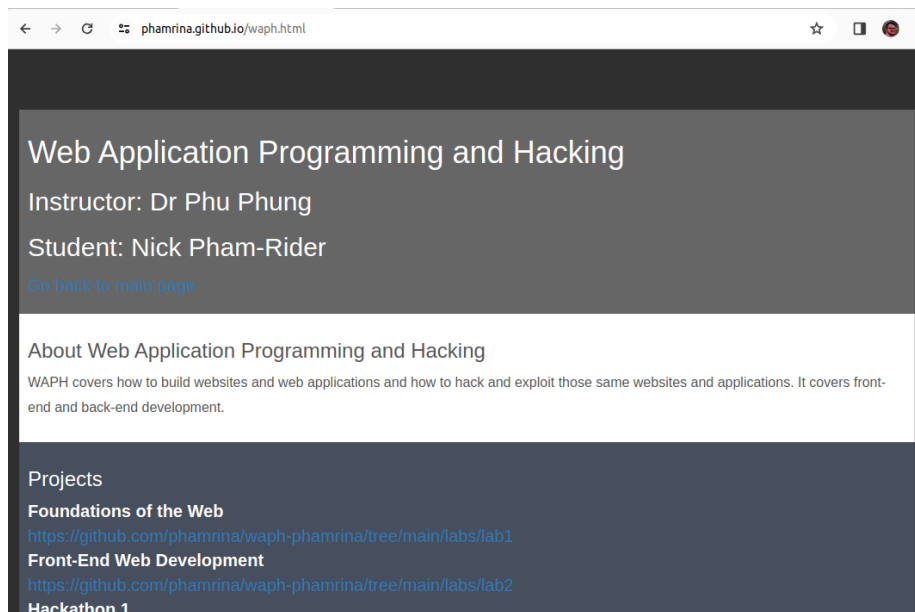


Figure 5: WAPH Page



Figure 6: Visitor Tracker

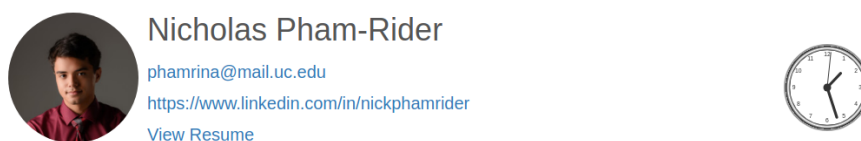


Figure 7: jQuery Implementation

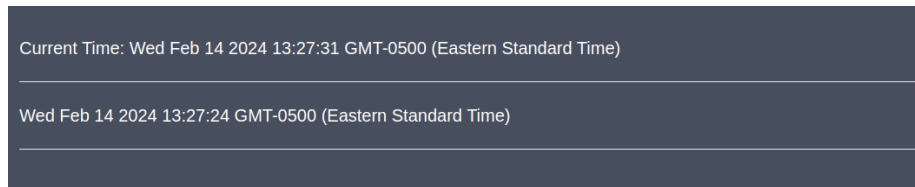


Figure 8: Java Code

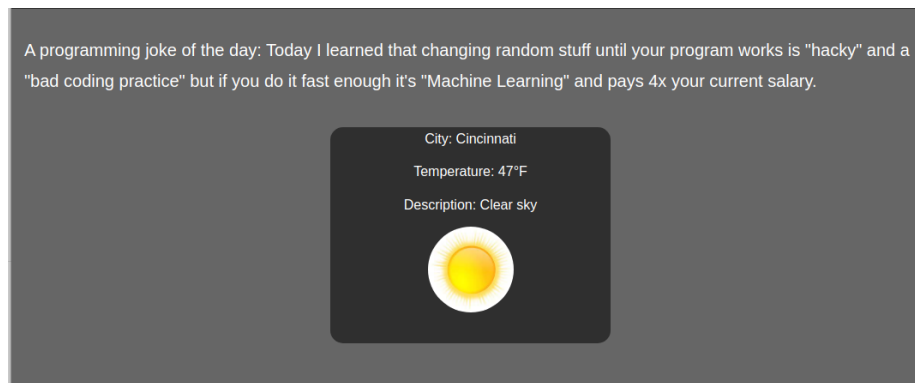


Figure 9: Joke and Weather API

it but I figured it out. For the graphics, I set up a search through the weather description for key words that call an related img when found.

Cookies

I separated the cookies function into three parts: Setting the Date on the Cookie, Getting the cookie of the visitor by name, and checking if that visitor is new or returning.

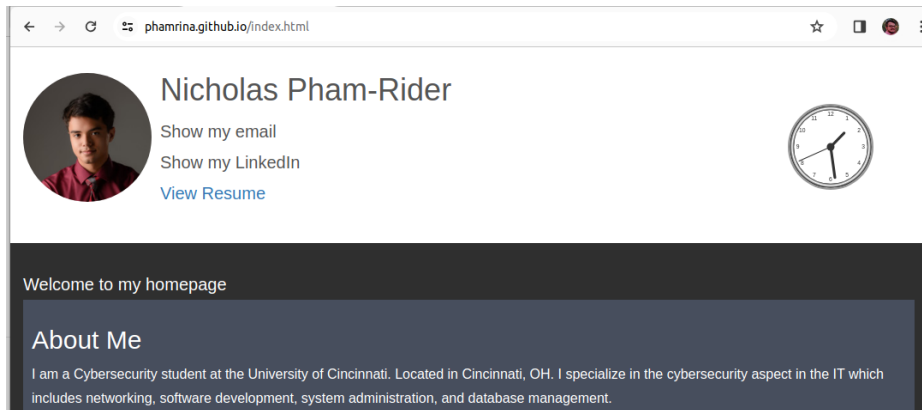


Figure 10: New Visitor

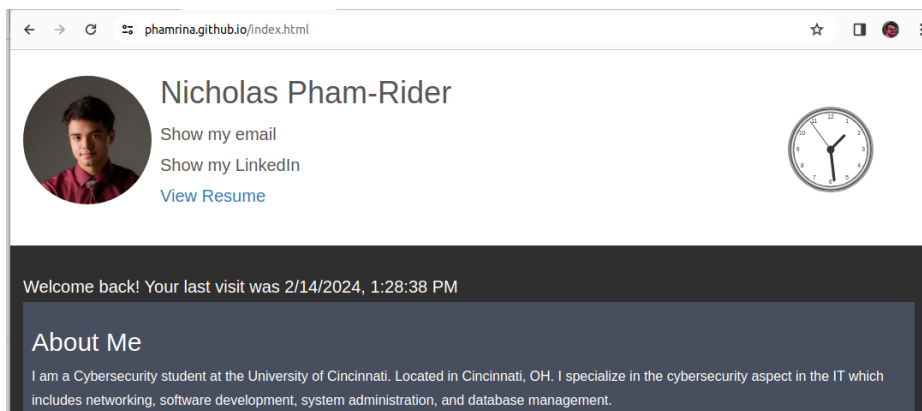


Figure 11: Returning Visitor