

# WAPH-Web Application Programming and Hacking

---

Instructor: Dr. Phu Phung

Student

**Name:** Brad Didier

**Email:** didierbd@mail.uc.edu

**Short-bio:** Brad Didier is a computer science student at the University of Cincinnati.



## Project 1 - Front-End Web Development with a Professional Website

---

### Project Overview

In this project, I created a personal website for myself which features a short description of me, my resume, some API integrations, and some neat JavaScript functionality. This website will be a good project to show potential employers and got me much more attuned to front-end web development. My website can be found at the following link: <https://deegee13244.github.io/>, while the Github repository containing the code for the website can be found at this link: <https://github.com/Deegee13244/Deegee13244.github.io/tree/main>.

### General Requirements

There are two webpages available to visit at my website. The first was detailed above in the project overview. A screenshot of what the page looks like as you enter can be seen below. Additionally, there is a link available on the website that directs the user to the WAPH Course Syllabus. The link to that can be found here: <https://deegee13244.github.io/waph.html>

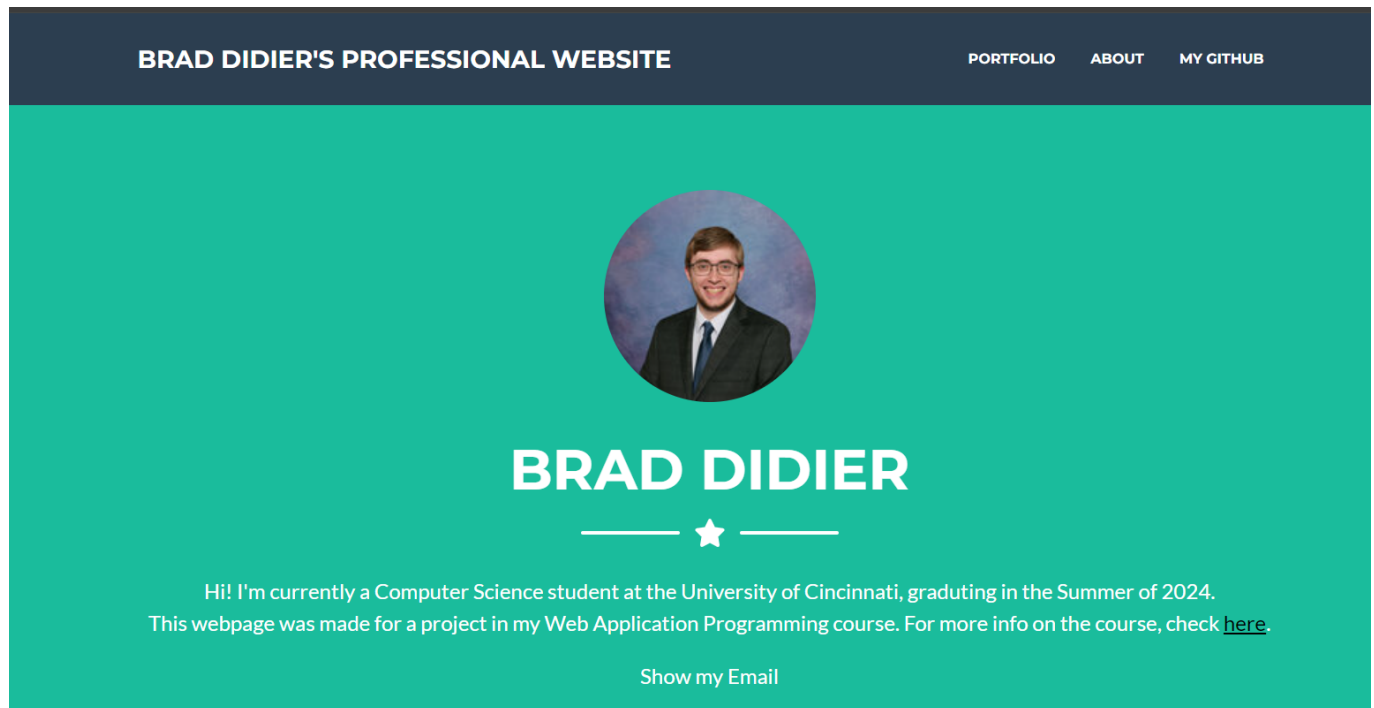


Figure 1: My Professional Website

## Non-technical Requirements

This website was built off of the Bootstrap template "Freelancer", found here:

<https://startbootstrap.com/theme/freelancer>. Additionally, this website uses Google Analytics. The below code was put into the index.html file to allow Google to collect analytics about the webpage, which I can view from the portal, also shown below in Figure 3.

```
<!-- Google tag (gtag.js) -->
<script async src="https://www.googletagmanager.com/gtag/js?id=G-82VS43S963"></script>
<script>
  window.dataLayer = window.dataLayer || [];
  function gtag(){dataLayer.push(arguments);}
  gtag('js', new Date());
  gtag('config', 'G-82VS43S963');
</script>
```

Figure 2:

Google Analytics Code

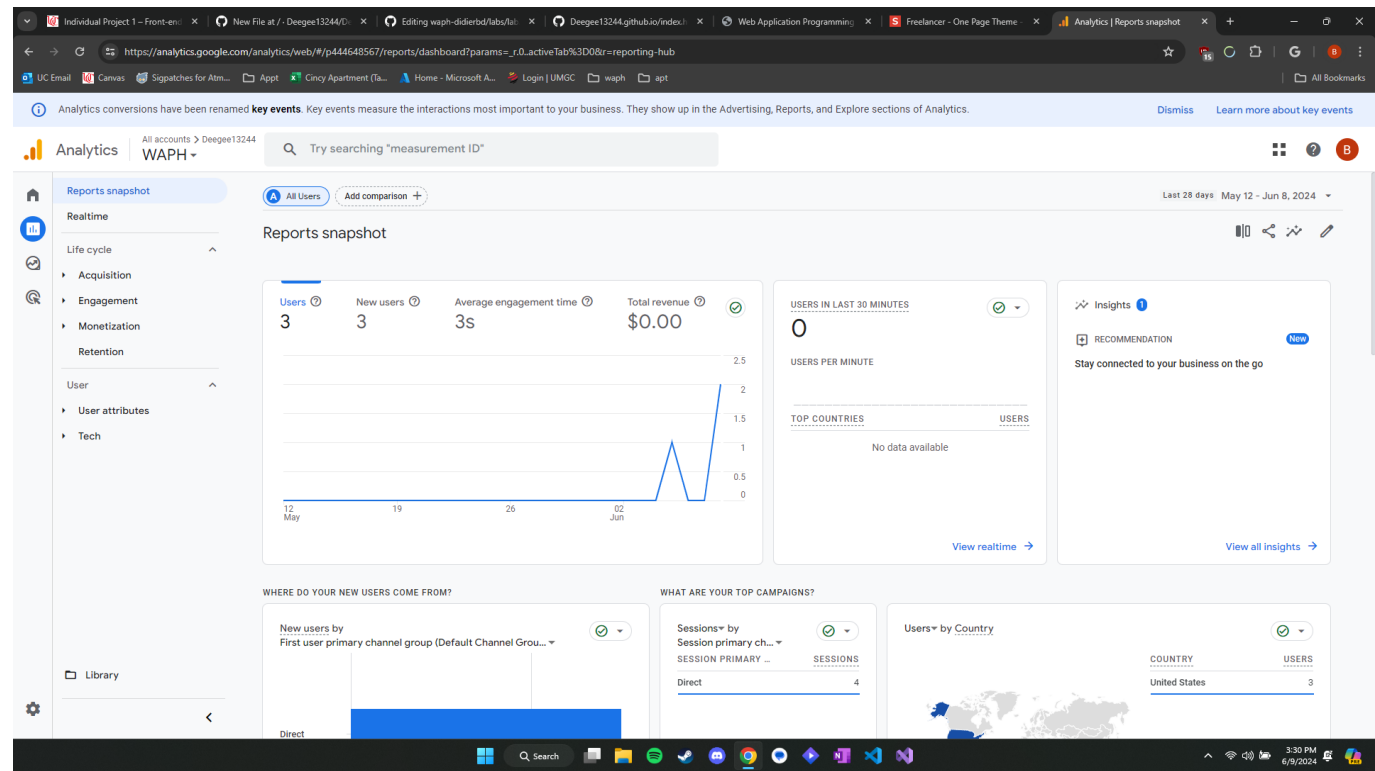


Figure 3: Google Analytics Dashboard

## Technical Requirements

Much of the JavaScript code for showcasing the analog/digital clock and show/hiding my email was taken directly from Lab 2 for this course, as was the JavaScript logic to pull a random joke from the jokeAPI. For the additional API implementation, I show to use the weatherbit.io API. The code to obtain the data from this API and display it can be found in the index.html file, on [Line 349](#).

# API INTEGRATIONS



## Time Display with JavaScript



Current Time: Sun Jun 09 2024 15:38:10 GMT-0400 (Eastern Daylight Time)

**WARNING: API content is provided by a third party, this website is not responsible for any such content.**

## Joke Display with JokeAPI.com.

Random Joke:

Why do Java programmers hate communism? They don't want to live in a classless society.

## Weather Display with WeatherBit.io

Current Temperature: 77.3° F, Weather Conditions: Clear sky



× Close Window

Figure 4: API Integrations

The additional functionality I decided to implement was to embed certain stats from my Github profile into my website. To do this, I used the [Github Readme Stats Project](#), pulling the data from the url they provide, after inputting my Github username.

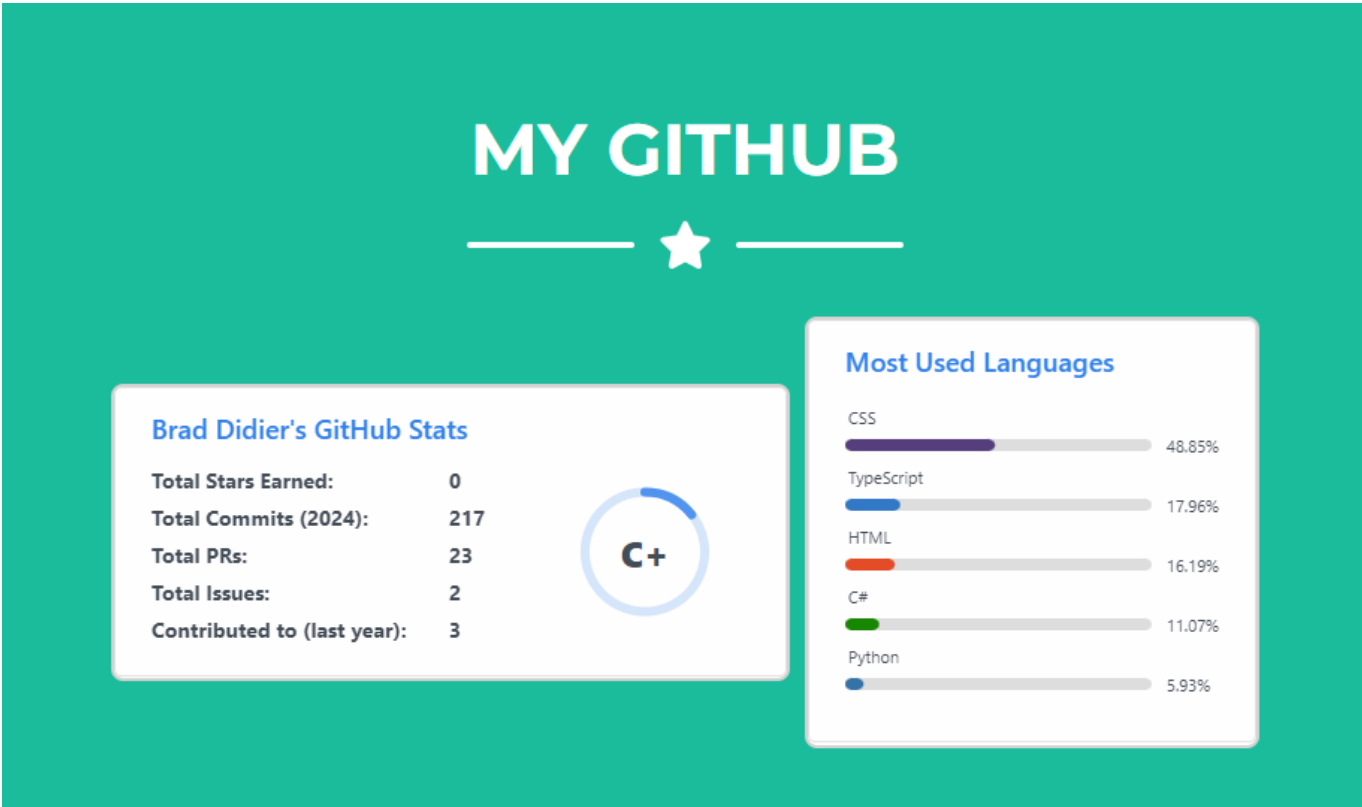


Figure 5: Github Stats

Finally, I was able to use JavaScript to set and grab cookies that told me when a user had last visited my website, successfully implementing the welcome message.

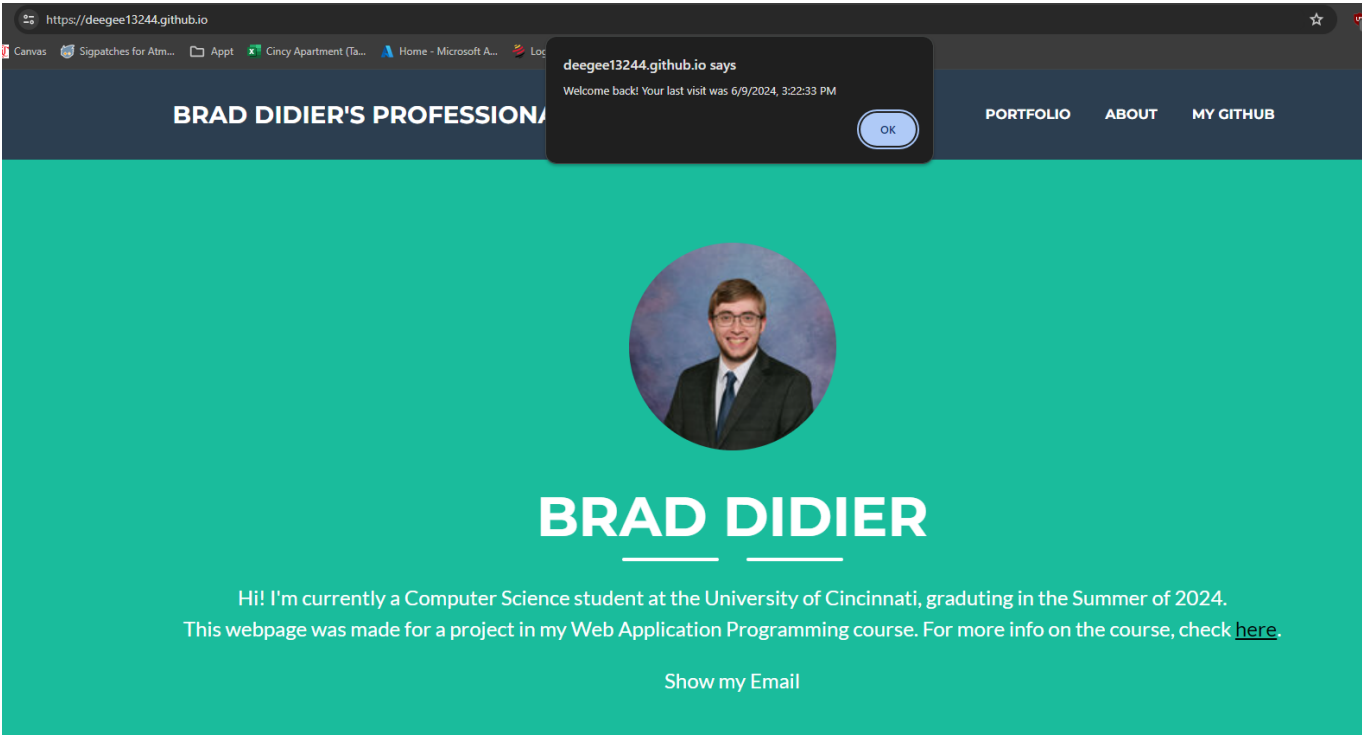


Figure 6: Welcome Message