

WAPH-Web Application Programming and Hacking

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Student

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Short-bio: Adam Hemmert is a 4th year electrical engineer and is also getting an MBA.



Figure 1: Adam's headshot

Individual Project 1

Project overview

This project is a professional portfolio on a website hosted on GitHub Pages. It includes my education, experience, skills, and project showcases. This site also demonstrates some interactive JavaScript features, some public APIs and session tracking using cookies.

Deployed Site [GitHub Repository](#)

General Requirements

a. Deploy Website with professional profile

I created a personal website using HTML, CSS, and Bootstrap on GitHub pages. The site includes contact information, my education, a work experience section, and a downloadable resume.

b. Create waph.html

I made a separate course description page that provides an overview of the course and each lab and hackathon and individual projects. It is connected to the main page via a link.

Non-technical Requirements

a. Bootstrap

In the main page I used a Bootstrap framework to make my website visually appealing. It has some layout grids, and a navigation bar for a custom and clean look.

b. Page tracker

At the bottom of the page I added in a Flag Counter to track visitors based on geographic locations.

Technical Requirements

a. jQuery for Clocks and Toggle

I used jQuery to create a live updating digital and analog clock like in previous lab. I also added in a show my email that toggles displaying my email. Finally I added a toggle button to change the theme of the website.

b. JokeAPI and NASA API

I added two public APIs, one was the JokeAPI which will display a new joke every 1 minute. The second API was a daily NASA photo that shows a stunning photo with a title and description of what we are looking at.

c. JavaScript Cookies

I implemented JavaScript cookies to track visits. On a viewer's first visit it displays a site alert "Welcome to my homepage for the first time!" and for returning visitors it will alert for the last time they visited the site.