

Isaac Maddox

Pensacola, FL

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I am a recent college graduate with 3 years of professional experience designing and developing websites, including using a CMS. I especially enjoy frontend development, but I have a fondness for all things programming.

Skills

Languages: HTML, CSS, SCSS, JavaScript, TypeScript, Java, C++, Python

Frameworks: NodeJS, Express, React, NextJS, Vite (React + TS)

Database: PostgreSQL, MySQL, Firebase Firestore, Firebase RTDB, MongoDB

Tools: Figma, VSCode, Git, GitHub, Jahia CMS, CrazyEgg, IntelliJ IDEA

Education

The University of West Florida

Software Design and Development, B.S.

Minor in Computer Science, Cybersecurity Certificate

Grad. 12/2025

GPA 3.97

Northwest Florida State College

Associate in Arts

Grad. 05/2023

GPA 3.92

Work Experience

Ducks Unlimited

User Experience Generalist

07/2023-Present

- Design, build, and maintain web pages on ducks.org to adhere to web standards and drive donations
- Analyze user session data (using CrazyEgg/Google Analytics) to find and eliminate bottlenecks on ducks.org
- Lead the design of major projects, such as the [Ducks Unlimited Mobile App](#), duckdna.com, ag.ducks.org, and ducon.live

Web Development Intern

01/2023-06/2024

- Use Java Server Pages, CSS, SCSS, and JavaScript to build responsive components used on ducks.org
- Utilize modern HTML, CSS, and JavaScript
- Perform comprehensive PR reviews

The University of West Florida

08/2025-12/2025

Teacher's Assistant

- Grade student assignments based on provided rubrics
- Provide feedback and suggestions for assignment submissions
- Create and maintain a Python web project using Flask and Jinja2 with extensive unit testing

Air Force Research Laboratory

05/2022-08/2022

Intern

- Create Windows applications using MATLAB and MATLAB App Designer
- Write applications to control the rotation state of multiple polarized lenses and the power state of lasers for testing
- Write applications that interact with FLIR Infrared cameras, capture images, and store on device to facilitate data collection
- Port an existing Python application to MATLAB, used to adjust and automate the rotation state of a QPT 90 Positioner

References

Dr. Jarrod Brown, Ph.D.

Electrical Engineer, Air Force Research Laboratory

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