

Isaac Maddox

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Work Experience

University of West Florida

8/2025–12/2025

Teacher's Assistant

- Grade student assignments based on instructor-provided rubrics
- Provide feedback and suggestions for assignments
- Create and maintain a Python web project (using Flask + Jinja2) with extensive testing, used to facilitate student learning outcomes

Ducks Unlimited

1/2023–Present

User Experience Generalist (since 7/23)

- Create and modify web pages on ducks.org to comply with web standards and serve company interests
- Analyze user session data to find and eliminate bottlenecks in the user experience on ducks.org, ag.ducks.org, duckdna.com, and duckexpo.com
- Lead the design of the DU mobile app, duckdna.com, ag.ducks.org, ducon.live, and the Waterfowl ID hunting tool
- Aid in the development of the public-facing portion of duckdna.com

Web Development Intern (through 6/23)

- Use HTML (templated using Java Server Pages), CSS (SCSS preprocessor), and JavaScript to build responsive components for use on ducks.org
- Provide guidance to the Web Development team about modern CSS practices and HTML accessibility standards.
- Implement robust, efficient, and safe client-side JavaScript to handle dynamic data and provide an interactive experience to website users on all devices
- Lead the development effort of the Ducks Unlimited National Convention app (ducon.live) utilizing HTML, CSS, and JavaScript

Air Force Research Laboratory

5/2022–8/2022

Intern

- Created a MATLAB application to control the rotation of multiple polarized lenses and the power state of lasers for testing
- Created an application using MATLAB to interact with FLIR cameras, take pictures, and store them to the device for data collection
- Updated an existing application using MATLAB to adjust and automate the rotation of a QPT 90 Positioner

Education

University of West Florida

8/2023-12/2025

Software Design & Development, B.S.

GPA: 3.97

Computer Science minor

Cybersecurity certificate

Northwest Florida State College

8/2021-5/2023

Associate in Arts - Magna Cum Laude

GPA: 3.92

Collegiate High School at NWFSC

8/2020-5/2023

High School Diploma - Magna Cum Laude

GPA: 4.6

Skills

- Programming languages: HTML, CSS, SCSS, JavaScript, TypeScript, Java, C++, Python
- Web frameworks: NodeJS, Express, Handlebars, EJS, React, NextJS, and Vite
- Familiar with SQL and No-SQL databases such as PostgreSQL, MySQL, Firebase Firestore, MSSQL, and MongoDB
- Proficient in Figma and VSCode
- Familiar with the Jahia CMS and Java Server Pages

References

Dr. Jarrod Brown, Ph.D.

Electrical engineer, Air Force Research Laboratory

(850) 393-1519

jarrod.brown.7@us.af.mil

Arnie Matson

Chief Information Officer, Ducks Unlimited

(901) 758-3882

amatson@ducks.org

Dr. E.L. Fridge, Ed.D.

Instructor, University of West Florida

efridge@uwf.edu

Projects

FALAFEL: Student Relationship Manager

[Live](#) • [GitHub](#)

A school project created during my Capstone class to solve a real problem that my professor was facing. Uses NextJS, Python + Flask, and PostgreSQL. Developed with 3 teammates over my last semester.

TaskList

[Live](#) • [GitHub](#)

A project developed to solve a problem that a local law office was facing. Uses Vite and Firebase (auth & realtime database).