Maria Davis

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EDUCATION

University of Florida, Gainesville, FL — Aug. 2023 – May 2027
- Bachelor of Science in Computer Science, Minor in Economics — GPA: 3.9/4.0
- Relevant Coursework: Programming 1 & 2, Data Structures and Algorithms, Computational Linear Algebra, Introduction to Computer Organization, Discrete Structures

TECHNICAL SKILLS

Programming Languages: C/C++, Python, HTML/CSS, JavaScript, Java, MATLAB, SQL, Assembly
Software/Frameworks: Linux, Windows, Git, React.js, AWS, Node.js, VS Code
Certifications: AWS Knowledge: Serverless

EXPERIENCE

Software Engineer Intern — May 2024 – August 2024
Arystech, Glenview, IL
- Developed and implemented an audio recording and saving web application using AWS services, including S3 buckets and Lambda functions.
- Built a holiday management web application using AWS services, enabling efficient tracking and updating of holiday dates.
- Authored engaging blog posts on the company's website, contributing to increased online presence and customer engagement.

Research Assistant — May 2021 – December 2021
Florida Atlantic University, Boca Raton, FL
- Earned funding from the NSF to drive a collaborative research study on the effectiveness of Convolutional Neural Networks (CNNs) in aesthetic photo ranking.
- Led the development of an interactive website using Python and SQL, proficiently collecting and managing survey data from 100+ participants.
- Curated a comprehensive 1000-picture dataset to train the CNN model, achieving a 91% accurate rate in predicting human ratings.

ACTIVITIES

Research Ambassador, Center of Undergraduate Research | *University of Florida* — Jan. 2024 – Present
- Plan and organize weekly workshops, coordinating with speakers and managing logistical details.
- Host events to promote research opportunities, and giving presentations to help undergraduate students learn more about getting involved in research.

Director of Events, Computer Science Kickstart | *University of Florida* — Jan. 2024 – Present
- Coordinate all events, reinforcing club engagement and fostering an inclusive community within the CS department.
- Led interactive activities as part of a summer immersion program for 30+ freshmen, focused on introducing them to computer science concepts and career opportunities.

PROJECTS

Personal Portfolio | *HTML, CSS, JavaScript, React, Tailwind, GitHub Pages* — Aug. 2024
- Designed and developed a personal portfolio website, showcasing professional projects, skills, and accomplishments in a clean, responsive format.
- Implemented dynamic sections for projects and experience, featuring interactive components such as rotating text and smooth transitions to enhance user engagement and navigation.

Minesweeper | *C++, SFML, Git, Git* — April 2024
- Developed a fully functional Minesweeper game in C++ using SFML for graphics and input management.
- Applied OOP principles, recursive algorithms, and dynamic UI for game mechanics like mines, flags, and game states.

PUBLICATIONS

- Golchubian A., Davis M., Nojoumian M., and Furht B. Aesthetic photo ranking using Deep Learning. Multimedia Tools and Applications (MTAP), Under submission, 2022.