

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
- Relevant Coursework: Programming 1 & 2, Data Structures and Algorithms, Computational Linear Algebra, Introduction to Computer Organization, Discrete Structures

GPA: 3.9/4.0

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, Arystech | *Glenview, IL*

May 2024 – August 2024

- Engineered a scalable audio recording and saving web application using React and AWS services like S3 and Lambda, enabling seamless voice data storage and retrieval for Amazon Connect.
- Designed and deployed a holiday management system with a React frontend, powered by AWS services to optimize the automated tracking and updating of holiday schedules, enhancing operational efficiency.
- Co-authored two upcoming blogs for AWS, showcasing the implementation and AWS integration of solutions designed for Amazon Connect, with a focus on enhancing customer experiences.

Research Assistant, Florida Atlantic University | *Boca Raton, FL*

May 2021 – December 2021

- Secured NSF funding to spearhead a collaborative research study on the efficacy of Convolutional Neural Networks (CNNs) in aesthetic photo ranking, contributing to advancements in image recognition technology.
- Directed the full-stack development of an interactive survey platform using Python and SQL, efficiently managing and analyzing data from over 100 participants.
- Curated and labeled a 1,000-image dataset to train a CNN model, achieving a 91% accuracy in predicting human aesthetic preferences.

ACTIVITIES

Research Ambassador, Center of Undergraduate Research | *University of Florida*

Jan. 2024 – Present

- Strategize and lead the organization of weekly workshops, collaborating with guest speakers and overseeing all logistical operations to ensure seamless execution.
- Facilitate and host events that promote research opportunities, delivering impactful presentations to guide undergraduate students in exploring and engaging with research initiatives.

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

Expense Tracker | *Flask, SQLite, JavaScript, HTML, CSS*

Aug. 2024

- Developed a web-based expense tracker with full CRUD capabilities, leveraging Flask and SQLite to handle data storage and user interactions.
- Designed and implemented dynamic web pages using HTML, CSS, and JavaScript, enhancing user experience with features like inline editing and real-time updates.

Pomodoro Clock | *HTML, CSS, JavaScript*

June 2024

- Created a Pomodoro timer web application to help users manage their productivity with customizable work and break intervals.
- Integrated a background music feature with Spotify to allow users to seamlessly listen to their preferred playlists while using the timer, enhancing the overall engagement and personalization of the work environment.

Minesweeper | *C++, SFML, 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.
- make it follow the format of these

PUBLICATIONS

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