MARCUS JONES

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EDUCATION

Florida Agricultural and Mechanical University
Major: Bachelor of Science, Computer Science **Expected Graduation: May 2026**
Relevant Coursework: Calculus I & II & III, Computer Programming I & II (C++ Object Orientation) Database Management (MySQL), Data Structures, Physics, Computer Organization

Valencia College, Orlando, FL
Associate's Degree: General Studies **Graduation: April 2023**

PROFESSIONAL SKILLS

Languages: HTML, CSS, C++, SQL, Java, Assembly Language, Python, Javascript
Tools: MySQL, TensorFlow, ResNet50, VGG19, MobileNetV2, Jupyter, Google Collab

PROJECTS

Deepfake Facial Recognition Project

- Student led project from the REU research program. Project deals with AI software that names and recognize **Deepfake** videos from real-life videos. Achieved functionality by feeding learning model multiple videos to decide whether the accuracy and efficiency would increase or not.

Deep Learning and Web Application for AI Food Recognition

- Project in collaboration with Professor Yohn Parra Bautista, this project revolves around the idea of training and shaping an AI model to recognize different classes of foods accurately and efficiently. To complete this, we used three different models alongside with **Python**, **ResNet50, VGG19, MobileNetV2.** We loaded pretrained models of the network trained on more than a million images from the Image Data Generator. It classifies images into various categories as well. Techniques such as **Quantization** were used and further developed.

EXPERIENCE & INVOLVEMENT

AI & Computational Data Science Intern *Research intern* **January 2024 – Present**

- Contributed to projects learning on data driven approaches to extract insights and solve complex problems. Applied Python Programming and AI machine learning to preprocess, visualize and analyze large datasets. Gained hands-on experience with machine learning models such as ResNet50 & TensorFlow, data pipelines, and computational tools to support research objectives. Collaborated on cross functional teams to translate data into actionable insights, strengthening both technical and analytical skills in world applications.

2024 Florida Classic Research Showcase **Orlando, FL**

- Research Opportunity where scholars are able to attend the Florida classic research showcase. At this event, many scholars from different HBCU's get together to show off their hard work and research that they've spent countless hours on. Showcase and research included food recognition and AI web development and weathers patterns. Connecting with brilliant minds from all around the globe. Truly thankful for the wonderful experience.

2025 AUC Data Science Symposium Lightning Speaker **Tallahassee, FL**

- Presented and published AI & Computational Data Science research to a professional and academic audience. Shared insights on cutting edge data science topics, fostering knowledge exchanges and ideas. Engaged with peers, professors and industry professionals, building valuable connections. Facilitated discussions, exchanged ideas and gained feedback to refine research perspectives. Enhanced communications skills in a high impact academic environment.

2025 Undergraduate Rattler Researcher **Tallahassee, FL**

- Conducting research project focused on developing and training deep learning models for facial image recognition. Leveraged Python and Google Collab to design, train and test models, applying advanced techniques in computational data science and machine learning. The project explores the integration of context recognition within image data, contributing to the advancement of automated classification and real-world applications of computer vision.