

Amer Samman

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Education

University of Central Florida, GPA: 3.9

~Dec. 2026

Bachelor of Science, Computer Science

Valencia College

Jan. 2024

Associate of Arts, General Studies

Projects

Autonomous Drone Project

~Sum 2025

Lead Developer // Python, TensorFlow, OpenCV, Numpy, Pandas

- Developing an autonomous drone system using TensorFlow and Python for object and face detection
- Implementing real-time object tracking to allow the drone to autonomously follow recognized objects in the camera feed
- Integrating hand gesture recognition from an external camera to control the drone's movement and behavior remotely.
- Utilizing GitHub for version control and collaboration, ensuring streamlined development and code management.

Capital 01 Health – Shellhacks Hackathon

Lead Developer // Python – Genetic Adversarial Network – Git – GitHub – NumPy – Pandas – TensorFlow – Matplotlib

- Led the development of a Genetic Adversarial Network to leverage 5 years of financial data to predict net Savings.
- Trained the model using TensorFlow, implementing adversarial techniques to enhance prediction accuracy.
- Utilized NumPy and Pandas to analyze the large datasets for processing by the model in training and evaluation.
- Created a tool that analyzes income growth compared to inflation rates, helping users assess their financial health.
- Managed version control through GitHub to ensure seamless collaboration and code integration.

Technical Skills

Programming Languages: C, Python, Java, HTML/CSS, JavaScript, TypeScript, Git, C++

Frameworks/API's: React, Django, TensorFlow, OpenCV, Numpy, Pandas

Relevant Leadership Experience and Campus Involvement

Workshop Lead

University of Central Florida, ACM

- Leading a workshop designed to help Computer Science students prepare for the mandatory Foundation Exam.
- Creating and delivering presentations covering key exam topics, study strategies, and exam preparation techniques.
- Facilitating interactive problem-solving sessions, encouraging active participation and collaboration among students.
- Organizing and managing sessions, hosting mock exams, to simulate the testing environment and boost student confidence.
- Collaborating with faculty and peers to ensure the workshop met academic standards and address the needs of participants.

Club Involvement

Hack@UCF – Member

KnightHacks – Member

Association of Computing Machinery (ACM) – Tech Lead

Additional Experience

Millers Ale House, Orlando, FL, *Host*

Mar. 2023-Dec. 2023

Alkassar Real Estate Myrtle Beach, SC, *Hotel Management*

June 2022-Mar. 2023