

EDUCATION

University of Central Florida <ul style="list-style-type: none"><i>Bachelor of Science in Computer Science</i> <i>Minor in Statistics</i>	Orlando, FL Spring 2021
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PROFESSIONAL EXPERIENCE

Siemens @ Viable Innovation Center <ul style="list-style-type: none">Software Engineer Intern viablees.comStructured several internal systems comprising of procurement tools, revenue reporting, and production workflow tracking. Designed REST and GraphQL APIs using Python, ASP.NET Core, and Node.js.Deployed several applications as containers using Docker to AWS. Utilized the Serverless framework to create a fully serverless application backend.	Orlando, FL Jan 2020 - Present
El Aposento Advertising Agency <ul style="list-style-type: none">Software Engineer ConsultantCreated e-commerce sites integrated with PayPal, Azul, and other payment APIs.Created live news delivery network via website, SMS, and email using AWS SNS. This provides content to thousands of followers.	Orlando, FL Nov 2020 - Present
Imperium Analytics Financial Social Media <ul style="list-style-type: none">Co-founder and Lead Back-end DeveloperManage a team of 4 developers to create the back-end of an upcoming stock trading social media.Built a fully serverless back-end designed as a GraphQL API and written in Python.	Orlando, FL Feb 2021 - Present

TECHNOLOGIES & SKILLS

Selected Skills Web: Spanish Proficient: Python, ASP.NET Core, Node.js, Flask, Serverless Framework, \LaTeX , GraphQL, React.js Data Science HPC Proficient: Python, OpenCV, Pandas, Scikit-learn, TensorFlow 2.0 Familiar: R, SLURM Databases Proficient: MySQL, DynamoDB, Fire-base Firestore Familiar: MongoDB Services Proficient: Amazon Web Services Familiar: Google Cloud Services Spoken Languages Native: Spanish Fluent: English
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PROJECTS

- Lockheed Martin's Everglades Behaviour Analytics**
 - Create custom metrics to justify player performance for the StarCraft II real-time strategy game.
 - Report findings to a committee as "explainable AI" and describe how this can be transferred to the internal Everglades game.
- DJI Tello active hand tracking**

Gave a Tello drone the ability to be controlled by the palm of a single user. Utilizing OpenPose I was able to track the skeleton of a user in almost any light condition and even if part of their body was covered. The drone maintains the palm of the user-centered in its field of view.
- KnightyKnights.com a fitness tracker**

Led a team of 5 members in which we were tasked to build a mobile and web application. We utilized Firebase's Firestore as our database and React.js to build the client-side of our website. The mobile application was built natively using Swift. The application tracks a user's workout and displays this to followers as a feed. Users can participate in competitions and earn fitness coins.
- Kaggle Competitions**

Participated in competitions hosted by UCF and consistently placed in the top 10 of about 300 participants. AI@UCF has allowed me to hone my competitive data science skills.

CLUBS | ACTIVITIES

- AI@UCF** Active member since Spring 2019
 - Core:** Honing and reviewing AI/ML and Data Science in general.
 - Data Science:** A project-based stem of the AI@UCF club that focuses on honing industry skills through real-world application. We explore untouched datasets and make new discoveries as they relate to the fields of AI, ML, and Data Science in general.
- UCF Robotics Club** Laki2 Drone Payload Delivery Team

This drone is the Robotics Club's first entry into the AUVSI SUAS competition. I was part of the computer vision team whose task was to develop the drone's smart vision system, capable of understanding and reporting elements of its environment.
- UCF Programming Team:** Members meet every Saturday morning for a 2-hour lecture and 4-hour mock contest.