

EDUCATION

<div>University of Central Florida</div> <div><div>Bachelor of Science in Computer Science</div><div>Minor in Statistics</div></div>	Orlando, FL Spring 2021
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PROFESSIONAL EXPERIENCE

<div>Siemens @ Viable Innovation Center</div> <div><div>Software Engineer Intern   viablees.com</div><div><div>Orlando, FL</div><div>Jan 2020 - Present</div></div></div> <div><div><div>Structured 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.</div><div>Deployed several applications as containers using Docker to AWS. Utilized the Serverless framework to create a fully serverless application backend.</div></div></div>	
<div>El Aposento   Advertising Agency</div> <div><div>Software Engineer Consultant</div><div><div>Orlando, FL</div><div>Nov 2020 - Present</div></div></div> <div><div><div>Created e-commerce sites integrated with PayPal, Azul, and other payment APIs.</div><div>Created live news delivery network via website, SMS, and email using AWS SNS. This provides content to thousands of followers.</div></div></div>	
<div>Imperium Analytics   Financial Social Media</div> <div><div>Co-founder and Lead Back-end Developer</div><div><div>Orlando, FL</div><div>Feb 2021 - Present</div></div></div> <div><div><div>Manage a team of 4 developers to create the back-end of an upcoming stock trading social media.</div><div>Built a fully serverless back-end designed as a GraphQL API and written in Python.</div></div></div>	

TECHNOLOGIES & SKILLS

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