

EDUCATION

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

PROFESSIONAL EXPERIENCE

<b>Siemens @ Viable Innovation Center</b> <ul style="list-style-type: none"><li>Software Engineer Intern   viablees.com</li><li>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.</li><li>Deployed several applications as containers using Docker to AWS. Utilized the Serverless framework to create a fully serverless application backend.</li></ul>	Orlando, FL Jan 2020 - Present
<b>El Aposento   Advertising Agency</b> <ul style="list-style-type: none"><li>Software Engineer Consultant</li><li>Created e-commerce sites integrated with PayPal, Azul, and other payment APIs.</li><li>Created live news delivery network via website, SMS, and email using AWS SNS. This provides content to thousands of followers.</li></ul>	Orlando, FL Nov 2020 - Present
<b>Imperium Analytics   Financial Social Media</b> <ul style="list-style-type: none"><li>Co-founder and Lead Back-end Developer</li><li>Manage a team of 4 developers to create the back-end of an upcoming stock trading social media.</li><li>Built a fully serverless back-end designed as a GraphQL API and written in Python.</li></ul>	Orlando, FL Feb 2021 - Present

TECHNOLOGIES & SKILLS

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

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.