

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>Software Engineer Intern viablees.com</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>	Orlando, FL Jan 2020 - Present
<div>El Aposento Advertising Agency</div> <div>Software Engineer Consultant</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>	Orlando, FL Nov 2020 - Present
<div>Imperium Analytics Financial Social Media</div> <div>Co-founder and Lead Back-end Developer</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. Our application takes advantage of the IEX Cloud API to share live data about current stocks with our users.</div></div>	Orlando, FL Feb 2021 - Present

TECHNOLOGIES & SKILLS

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

PROJECTS

<div>Lockheed Martin's Everglades Behaviour Analytics</div> <div><div>Lead a team of 5 members to create custom metrics to justify player performance and a win prediction engine for the StarCraft II real-time strategy game.</div><div>Report findings to a committee as "explainable AI" and describe how this can be transferred to the internal Everglades game.</div></div>
<div>DJI Tello active hand tracking</div> <div><div>Gave a Tello drone the ability to be controlled by the palm of a single user.</div><div>Utilizing OpenPose I was able to track the skeleton of a user in most light conditions and when partially covered.</div></div>
<div>KnightyKnights.com a fitness tracker</div> <div><div>Led a team of 5 members to create a social media mobile and web application using Firebase.</div><div>The web app was built using React.js and the mobile app was built natively using Swift.</div></div>
<div>Kaggle Competitions</div> <div>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.</div>

CLUBS & ACTIVITIES

<div>AI@UCF Active member since Spring 2019</div> <div><div>Core: Honing and reviewing AI/ML and Data Science in general.</div><div>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.</div></div>
<div>UCF Robotics Club Laki2 Drone Payload Delivery Team</div> <div>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.</div>
<div>UCF Programming Team: Members meet every Saturday morning for a 2-hour lecture and 4-hour mock contest.</div>