

College of Engineering and Computer Science
Major in Computer Science; Minor in Mathematics
Cumulative GPA: 3.8/4.0; President's Honor Roll 2020-2021

Orlando, FL
Expected May 2023

Data Warehouse Intern

Orlando, FL
Jun 2022 – Aug 2022

- Designed and developed a dynamic documentation converter, increasing internal availability and boosting innovation efficiency by over 50%
- Utilized Python and lxml to convert large SSIS packages into compact data packages, streamlining the data analysis process
- Integrated a conversion algorithm using PlantUML to produce high-quality UML diagrams, improving the readability and accessibility of project documentation
- Achieved a conversion runtime of less than 10 seconds for all of HGV's SSIS packages, completely eliminating future manual maintenance of SSIS system diagrams
- Presented the project and its results to the company's senior leadership team, demonstrating strong communication and presentation skills

Backend/Machine Learning/DevOps Engineer

Oct 2022 – Apr 2023

- An algorithmic stock market trading application that allows for the creation, testing, and deployment of algorithmic trading bots using technical and quantitative analysis
- Implemented the CI/CD pipeline for both React and React-Native using GitHub Actions and Netlify
- Utilized Modern Portfolio Theory (MPT) portfolio optimization technique for the project's quantitative analysis using a Deep Reinforcement Learning model
- Leveraged AWS SageMaker for the training and deployment, AWS S3 for ample data storage, and OpenAI Gym for the reinforcement learning environment
- Led internal algorithmic implementation for technical analysis, utilizing Python for logic, Alpaca API for stock market data, and Selenium for testing

Full-Stack Engineer

Jan 2022 – Apr 2022

- Developed a full-stack student calendar event tracker for UCF students using HTML/CSS/JS for the front end and PHP/SQL for the backend
- Created a user hierarchy to allow students to follow events from the UCF website as well as other student-created events
- Used Figma for front-end design and prototyping, and Lucidchart for database diagramming

Project Manager, Full Stack/DevOps Engineer

August 2022 – Dec 2022

- Designed, developed, and deployed a photo-to-file converter with cloud storage and transferability capabilities using React/React-Native, Auth0, MongoDB, and Google Cloud Platform(GCP)
- Led the project using Agile SCRUM and Jira for project management, road mapping, and task tracking
- Created a sleek and user-friendly design using Figma, and deployed the project using GitHub Actions and GCP CloudRun
- Implemented automated testing with Jest and Cypress to ensure high-quality code

: Java, Python, SQL, MSSQL Server, React, React Native, Javascript, HTML/CSS, Git, YAML, Jest
Amazon Web Services (AWS), Google Cloud Platform (GCP), Agile, MongoDB, Postman, Figma