

## EDUCATION

University of Houston - Downtown ..... Anticipated: June, 2020

### Bachelor of Science, Computer Science

- Linear Algebra, Calculus II, Statistics, Discrete Math, Data Structures & Algorithms, Software Engineering, Operating Systems, Technical Writing, Relational Databases, Web Programming, Statistical Machine Learning.

## SKILLS

- Programming:** • Python 3, JavaScript ES6, C, C++, HTML 5, CSS 3, Java, SQL, MySQL, R.
- Technologies:** • Flask, Django, Pandas, NumPy, Matplotlib, Seaborn, Bootstrap 4, AWS, Azure.
- Other:** • AWS CodeCommit, ECR, EC2, S3, Forecast, Docker, Heroku, Git, GitHub, Bash, zsh, ssh, Jupyter, data analysis, Excel, rapid prototyping, graphic design, UI/UX.
- Soft Skills:** • Fluent in English & Spanish, team oriented, dependable, adaptable, logical.

## EXPERIENCE

Full-stack Python Software Developer ..... Sep. 2019 - Mar. 2020

Consolidated Asset Management Services (CAMS) - Corporate HQ, Houston, TX

- Optimized methods of data acquisition, exploration, and performed wrangling on oil & energy datasets.
- Streamlined generation of real-time python visualizations for time-series analysis of power plant data.
- Integrated AWS micro-services, prioritizing scalability, continuous integration, and rapid deployment.
- Redesigned and Improved User Interface of Flask-based web app to use mobile responsive web design.
- Worked and coordinated alongside stakeholders to gather functional and technical requirements.

Coding Instructor ..... May 2019 - Aug. 2019

University of Houston System - Houston, TX

- Administered project-based learning for internationally accredited summer code camp.
- Taught 60+ students Agile Arduino programming with C, principles of Object Oriented Programming using both Python and Java, and logical application design with GameMaker studio.

Field Data Analyst ..... Feb. 2019 - Mar. 2019.

Trace (traceup.com) - Woodlands, TX

- Contracted with Artificial Intelligence company for a national soccer tournament (ECNL).
- Responsible for data acquisition, and curating analytics for 300+ players.
- Facilitated, managed, and built reports on data from AI cameras and real-time telemetry devices.

## PROJECTS

### CAMS E-TRaC, SaaS

AWS, Python, Pandas, NumPy, Matplotlib, JS, HTML, Flask, Bootstrap

- Contributing to full-stack development of Oil and Energy asset's analytics enterprise software.
- Concentrated on tracking of finances, energy generation, and integration of time-series forecasts.
- Managing multiple projects whom are in partnership with top Fortune 500 companies.

### Microsoft 2019 Smart Infrastructure Hackathon | Bump.IT

1st place winners - Microsoft Azure, Python, React, Computer Vision

- Placed 1st place for solution concept at Hackathon, working alongside MS Cloud Solution Architects.
- Developing application for road potholes detection, using Azure's Computer Vision reinforcement learning, and geomapping of location coordinates from integrated mobile telemetry data with Python.

### Novel Corona Virus Analytics Dashboard

Python, Django, Pandas, SQLite, Heroku

- Developing progressive Django based analytics dashboard using John Hopkins University datasets.
- Modular dashboards featuring end-user authentication, interactive web plots, and automating of data acquisition using Kaggle API to AWS S3, all deployed using Heroku containerization.