

## EDUCATION

University of Houston - Downtown ..... Anticipated: May, 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.

**Technologies:** Flask, Django, Pandas, NumPy, Matplotlib, Seaborn, Bootstrap 4, AWS, Azure.

**Other:** AWS CodeCommit, EC2, S3, Docker, GitHub, Git Bash, AI, ML, big-data, Jupyter, 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 - Ongoing

CAMS, LLC - Corporate Headquarter, Houston, TX

- Responsible for developing automated data acquisition methods, exploration, and data wrangling.
- Generating real-time visualizations, performing time-series analysis for valuable insights to stakeholders.
- Integrating AWS micro-services. Prioritizing scalability, continuous integration, and rapid deployment.
- Designing & developing mobile-responsive dynamic User Interface's with Flask framework.

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

University of Houston System - Houston, TX

- Administered project based learning for accredited summer coding camp.
- Taught Agile programming with C for Arduino, and Object Oriented Programming with Java.
- Taught Principles of Design for 3D animations, and Digital Logic for game design.

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

Trace (traceup.com) - Woodlands, TX

- Contract with Artificial Intelligence company, for national soccer tournament
- Responsible for data acquisition, which curated analytics dashboards for 300+ players
- Facilitated setup of AI smart cameras, and equipping athletes with telemetry devices


## PROJECTS

### CAMS E-TRaC, SaaS

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

- Contributing to ongoing development of Oil and Energy assets analytics enterprise level software, centered on tracking finances and energy generation, and integration of time-series forecasts.
- Managing multiple projects whom are in partnership with top Fortune 500 companies.

### 2019 Microsoft IoT Hackathon | Bump.IT

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

- Designed & developed app for automated road-potholes detection with computer vision reinforcement learning, and mapping with integrated mobile telemetry data.

### Corona Virus Interactive

Python, Django, Numpy, Pandas, SQLite

- Developed online progressive analytics dashboard containing live data of the 2019-nCov pandemic.
- Responsive Dashboard and application's modular design made with Django framework.
- Automating data acquisition using Kaggle API, and visualizations made with Python