

# Brian Ruiz

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## SKILLS

### Languages:

Python 3, C, C++,  
HTML, CSS, JavaScript,  
Java, R, VB.Net

### Technologies:

Django, Flask, NumPy,  
Pandas, Matplotlib,  
Plotly, AWS, Azure  
Logic Apps, Scikit -  
Learn, Bootstrap 4,  
TensorFlow, SQL

### Miscellaneous:

CodeCommit, EC2, S3,  
Docker, GitHub, Git,  
Heroku CD, Travis CI,  
Shell scripting, VIM,  
Jupyter Notebook,  
Agile- Development,  
UI/UX

## EDUCATION

Anticipated: June, 2020

### Bachelor of Science, Computer science

University of Houston -  
Downtown

### Coursework:

Linear Algebra, Calculus,  
Statistics, Discrete Math,  
Data Structures and -  
Algorithms, Software -  
Engineering, RDBMS,  
OS, Technical Writing  
,Web Programming,  
Machine Learning.

## EXPERIENCE

Sep. 2019 - Mar. 2020

### Python Developer

Consolidated Asset  
Management Services  
Houston, TX

- Integrated and managed AWS EC2 instances, prioritizing scalable Docker continuous-delivery.
- Managed pipeline for acquisition of oil & energy datasets, and preprocessing; all stored on S3.
- Streamlined generation of real-time Python data visualizations for time-series analysis.
- Redesigned UI of Flask web application for an improved UX through mobile responsiveness.
- Coordinated with stakeholders to meet technical requirements of Fortune-500 affiliated Projects.

May 2019 - Aug. 2019

### Coding Instructor

University of Houston  
Education System

- Administered project-based learning for internationally accredited summer code camp.
- Taught 60+ students procedural programming with Arduino, principles of Object-Oriented Programming using Python, and, logical game design with GameMaker.

Feb. 2019 - Mar. 2019

### Field Data Analyst

Trace ([traceup.com](http://traceup.com))  
Woodlands, TX

- Contracted with artificial intelligence company for a national soccer tournament (ECNL).
- Responsible for data acquisition, which curated analytics for 300+ athletes.
- Facilitated, managed, and reported data collected from cameras and telemetry devices.

## PROJECTS

### Django Dashboard | COVID-19

Pandas, Plotly, Heroku  
CD, Travis CI, SQLite  
★39 🌟28

- Leading development of open-source analytics-dashboard, using live Coronavirus data for the creation of interactive maps, plots and tables.
- Dynamic web-app features automated data pulls, and CI/CD for testing and deployment.

### Django Booking-app | BookOmatic

Python, Firebase,  
ReactJS, PostgreSQL  
★360 🌟180

- Contributing to development of large open-source automated peer-to-peer calendar booking web-application.
- Working on Django back-end, writing views and template system, as well as UI design

1st place winners, 2019

### Microsoft IoT Hackathon | Bump.IT

Python, React, Azure,  
Computer Vision  
★5 🌟4

- Placed 1st at Microsoft Smart-Infrastructure Hackathon, hosted by *The Cannon* - Houston
- Led app design for road potholes' detection, created pipeline for data processing, mapping with GeoPy, and automatic user notifications.
- Implemented Azure logic apps for mobile telemetry data and used Azure Computer Vision to analyze and categorize images.