

# Brian Ruiz

## Software Developer

 [www.github.com/BrianRuizy](https://github.com/BrianRuizy)  
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## SKILLS

### Languages:

Python, C, C++, JavaScript,  
Java, HTML, CSS, SQL, R

### Technologies:

Django, Flask, Flutter, AWS,  
Azure, Heroku, Docker, API's

### Other:

NumPy, Pandas, Matplotlib,  
Scikit-Learn, TensorFlow,  
Travis CI, Bootstrap, JQuery,  
Git, GitHub, Linux, UI/UX,  
Responsive design, Machine  
learning, Testing, Data  
visualizations, Algorithms,  
Data Structures

## EDUCATION

Bachelor of Science,  
Computer science

**University of Houston -  
Downtown**

Fall, 2020

## ACHIEVEMENTS



### Microsoft:

1st place at Hackathon,  
Smart-Infrastructure  
December, 2019



### HackerRank:

Python, Algorithms &  
Data Structures  
August, 2020

## LANGUAGES

English  
Excellent



Spanish  
Native



## EXPERIENCE

09/2019 - 04/2020

**Software Developer**  
**CAMS, Consolidated**  
**Asset Management**  
**Services llc**

Houston, TX

 [www.brianruizy.com/  
projects/cams.html](http://www.brianruizy.com/projects/cams.html)

- Developed oil & energy midstream analytics cloud SaaS web-application, provisioned alongside Fortune 500 partners.
- Connected Flask framework with AWS to deploy Docker container(s) onto AWS EC2.
- Implemented data pipeline to web-scrape, preprocess, and clean data frames; then used to create Matplotlib visualizations.
- Redesigned web-app's UI/UX to be cross-platform responsive using Bootstrap 4.
- Effectively communicated with stakeholders, and engineers to meet functional and technical requirements.

05/2019 - 08/2019

**Coding Instructor**  
**University of Houston**  
**Education System**

Houston, TX

- Educated 60+ students via PBL for internationally accredited STEM camp, including kids abroad from Taiwan.
- Taught procedural programming with C for Arduino, principles of object-oriented programming using Java and Python, and logical design with GameMaker.

02/2019 - 03/2019

**Field Data Analyst**  
**Trace AI**

Woodlands, TX

 [www.traceup.com](http://www.traceup.com)

- Contracted with AI company for a national soccer tournament (ECNL).
- Responsible for data acquisition, which curated analytics for 400+ athletes, and exporting the cloud data-lake.
- Facilitated, managed, and reported the data collected from TraceCam's and GPS telemetry devices (Tracers).

## PROJECTS

### COVID-19 Dashboard

Django, Plotly.JS,  
Pandas, Bootstrap 4,  
Heroku, Travis CI

 [https://ncov-  
dashboard.herokuapp.com](https://ncov-dashboard.herokuapp.com)

- Designed and Developed COVID-19 analytics dashboard, allowing users to explore real-time datasets and statistics.
- Dynamic web-app features automated data scraping, interactive maps and plots, CI / CD, and mobile friendly UI.

### Favours-io


Django, REST API, Flutter,  
PostgreSQL, AWS,

 [www.github.com/favours-io](https://github.com/favours-io)

- Developing a location-based app, where users post "favours" in exchange for cash.
- Hosted on Linux Ubuntu server with Apache HTTP using Django WSGI, and storing files on scalable AWS S3 buckets.
- Using Flutter to consume REST API for Android and iOS mobile app development

### Bump.IT | Microsoft Hackathon

Azure Logic Apps, React,  
Computer Vision, Jupyter

 [www.github.com/BrianRuizy/  
2019-Microsoft-IoT-hackathon](https://github.com/BrianRuizy/2019-Microsoft-IoT-hackathon)

- Potholes cause U.S. motorists up to \$3B a year, our app concepts the initiative to save cities up to \$150 per pothole.
- Implemented pipeline for processing of mobile telemetry data, mapping with GeoPy, and automating SMS notifications.
- Helped with training unsupervised ML model to categorize cases and images

## REFERENCES

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**Josh Bryant, CAMS**  
Director of Engineering  
*# available upon request*

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**Rick Knauth, CAMS**  
VP of Asset Management  
*# available upon request*

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**G.V. Krishnan, UH**  
UH STEM Camp coordinator  
*# available upon request*

## PROJECTS

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**Twitter NLP  
Sentiment Analysis**  
[www.github.com/BrianRuizy/  
tweets-sentiment-analysis](https://www.github.com/BrianRuizy/tweets-sentiment-analysis)

- Created a supervised machine learning natural language processing script, which effectively detects expression in typed console text
- Using Tweepy API, you can also find expression of in user's recent tweets

**Handwritten Digit  
Recognition**  
[www.github.com/BrianRuizy/  
handwritten-digit-recognition](https://www.github.com/BrianRuizy/handwritten-digit-recognition)

- Implemented a machine learning classification model to predict the value of handwritten digits through supervised learning, with up to 95% accuracy.
- Used Scikit-learn, matplotlib, Support Vector Machine model

**BookOMate**  
[www.github.com/Bookomate/  
bookomate](https://www.github.com/Bookomate/bookomate)

- Co-leading development of peer-to-peer calendar booking, which aims at simplifying the process with an intuitive design and functionality.
- Implemented integrations to existing calendar apps, and social media OAuth user authentication.
- Working on back-end models ORM, class-based views, and URL routing.
- Managing limited dev-ops, from Heroku Dyno deployment to Travis CI