

# Brian Ruiz

## Software Engineer

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

### Languages:

Python, JavaScript, C, C++,  
Java, HTML, CSS, Dart

### Technologies:

Django, Django REST API,  
Flask, Flutter, AWS, Azure,  
Heroku, Docker, API's, SQL,  
Vue.js, jQuery

### Other:

NumPy, Pandas, Matplotlib,  
Scikit-Learn, Travis CI,  
Bootstrap 4, Git, GitHub,  
Linux, UI/UX, Responsive  
design, Machine learning,  
Testing, Data visualizations,  
Algorithms, Data Structures

## EDUCATION

**University of Houston -  
Downtown**  
**Bachelor of Science,  
Computer science**  
3.5 years

## ACHIEVEMENTS



### Microsoft:

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



### HackerRank:

Python, Algorithms &  
Data Structures  
August, 2020

## LANGUAGES

**English**  
Excellent



**Spanish**  
Native



## EXPERIENCE

09/2020 - Current

**Software Engineer**  
**PeriShip | PeriPharma**  
Woodlands, TX

- Develop efficient and scalable algorithms for data-driven logistics application(s).
- Design, implement, and test front-end components with Django, jQuery & Vue.js
- Contributing to development of robust customer-facing web portals, tracking over 150k daily shipments.

09/2019 - 04/2020

**Python Developer**  
**CAMS:**  
**Consolidated Asset  
Management Services**  
Houston, TX

 [www.brianruizy.com/  
projects/cams.html](https://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) on AWS EC2.
- Implemented data pipeline to scrape, preprocess, and clean data frames; then-used to create Matplotlib data visualizations.
- Redesigned web-app's UI/UX to be cross-platform responsive using Bootstrap 4.

05/2019 - 08/2019

**Coding Instructor**  
**University of Houston**  
Houston, TX

- Educated 60+ k-12 students via PBL for an internationally accredited STEM camp.
- Taught kids procedural programming with Arduino's, principles of OOP using Python + Java, and video game design.


02/2019 - 03/2019

**Data Analyst**  
**Trace AI**  
Woodlands, TX  
 [www.traceup.com](https://www.traceup.com)

- Contract with AI company, responsible for data acquisition, and exporting to a cloud data-lake, which curated analytics for 400+ athletes coming from TraceCam's and GPS telemetry devices (Tracers).


## PROJECTS

### 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.
- Designed REST API with DRF, consumed by Flutter for native iOS/Android apps. with CRUD operations to the database

### COVID-19 Dashboard

Django, Plotly,  
Pandas, Bootstrap 4,  
Heroku, Travis CI  
 [https://hcov-  
dashboard.herokuapp.com](https://hcov-dashboard.herokuapp.com)

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

### 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)

- Our app concepts the initiative to impact a \$3B dollar road potholes issue.
- 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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**Jack Wang, PeriShip**  
Chief Information Officer  
*# available upon request*

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

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**Rick Knauth, CAMS**  
Vice President 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