

Brian Ruiz

Software Engineer

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

Languages:

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

Back-End:

Django, Django REST, Flask,
MongoDB Atlas, Kafka,
SQLite, PostgreSQL, Web
API, HTTP Requests

Front-End:

jQuery, Vue.js, AJAX,
Bootstrap 4, UI/UX, Mobile
Responsive design, Data
visualizations, dashboards

Other:

AWS, Docker, Travis CI,
NumPy, Pandas, Matplotlib,
Scikit-Learn

EDUCATION

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

ACHIEVEMENTS



Microsoft Azure:

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



HackerRank:

Python, Algorithms &
Data Structures
August, 2020

LANGUAGES

English
Excellent



Spanish
Native



EXPERIENCE

09/2020 - Current

Software Engineer
PeriShip | PeriPharma
Branford, Connecticut
(Remote)

- Contributing to agile development of robust customer and admin web portals, tracking over 170k shipments daily.
- Develop efficient and scalable algorithms for data-driven logistics Django applications.
- Design, and test dynamic front-end components with jQuery, Vue.js + AJAX.

09/2019 - 04/2020

Python Developer
**Consolidated Asset
Management Services**
Houston, TX (contract)
 [www.brianruizy.com/
projects/cams.html](https://www.brianruizy.com/projects/cams.html)

- Contributed to development of oil & energy midstream analytics SaaS platform.
- Connected Flask framework to deploy Docker container(s) on AWS EC2.
- Implemented data pipeline which read AWS S3 buckets, cleaned CSV's files, and produced live Matplotlib data visualizations.
- Redesigned UI/UX to be cross-platform responsive using Bootstrap 4 and Sass.

05/2019 - 08/2019

Coding Instructor
University of Houston
Houston, TX

- Conducted project based learning to 60+ secondary-school students for an internationally accredited STEM camp.
- Taught procedural programming with Arduino's, video game logic design, and principles of OOP using Python + Java.

02/2019 - 03/2019

Data Analyst
Trace AI
Woodlands, TX
 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://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 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

Jack Wang, PeriShip
Chief Information Officer
available upon request

Josh Bryant, CAMS
Director of Engineering
available upon request

Rick Knauth, CAMS
Vice President of
Asset Management
available upon request

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

PROJECTS

**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