

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**

Anticipated: Dec, 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.
- Redesign 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

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

- 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

Josh Bryant, CAMS

Director of Engineering

available upon request

Rick Knauth, CAMS

VP 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

- 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
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Handwritten Digit Recognition

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
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BookOMate

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