BRIAN RUIZ

Software Developer

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EXPERIENCE

Python Developer

Consolidated Asset Management Services, LLC

📅 10/2019 - 04/2020   📍 Houston, TX

- Developed oil & energy private-equity asset's analytics software. Provisioned to various high-tier partners including Black Rock, Citigroup, & Royal Shell. Packaged as SaaS trough a Flask web-app.
- Managed data pipeline for web-scraping, preprocessing, and visualizations. Using AWS EC2, S3, and Docker containers.
- Effectively communicated technical requirements with stakeholders, and other engineer team members in an agile development life cycle.
- Created real-time Python data visualizations, used for time series statistical analysis, using an in-house Matplotlib and Pandas wrapper.
- Redesigned UI/UX to support cross-platform responsiveness, with a minimal design, for which was approved and widely endorsed.

Coding Camp Instructor

University of Houston, Education System

📅 06/2019 - 09/2019   📍 Houston, TX

- Administered project based learning for internationally accredited youth summer STEM camp, gained a valuable experience in teaching.
- Taught 60+ students procedural programming with C for Arduino, principles of object-oriented programming using Java and Python, and logical game design with GameMaker.

Field Data Analyst

Trace AI

📅 03/2019 - 04/2019   📍 Woodlands, TX

🔗 www.traceup.com

- Contracted with artificial intelligence company for a prestigious national soccer tournament (ECNL).
- Responsible for data acquisition, which curated data analytics and visualizations for 300+ athletes. And, exporting to cloud data-lake.
- Facilitated, managed, and reported the data collected from TraceCam's and GPS telemetry devices (Tracer's).

PROJECTS

COVID-19 Dashboard

📅 02/2020 - Ongoing

🔗 github.com/BrianRuizy/covid19-dashboard

Django, Python, Pandas, Plotly API, Heroku CD, Travis CI, SQLite

- Leading development of open-source analytics dashboard, allowing anyone to easily explore global web-scraped coronavirus datasets.
- Dynamic web-app features interactive maps, tables and plots, continuous integration (CI), and continuous deployment (CD).
- The app attracted over 2,000 daily visitors at peak, and received positive feedback from developers and users alike. In my eyes, informing just a few over the seriousness of the pandemic, and having created an avenue for open-source developers to pick up new skills, is a victory after all.

EDUCATION

Bachelor of Science, Computer Science

University of Houston - Downtown

📅 2015 - 12/2020   📍 Houston, TX

SKILLS

| Python 3 | C | C++ | JavaScript ES6 |

| HTML 5 | CSS 3 | SQL |

| Data Structures | Algorithms |

| Django | Flask | React | REST API |

| AWS | Azure | Heroku | Docker |

| NumPy | Pandas | Matplotlib |

| Plotly | Scikit-Learn | TensorFlow |

| Travis CI | Bootstrap | Git |

| PostgreSQL | UI/UX | ML | AI |

ACHIEVEMENTS

🏅 **Microsoft Smart Infrastructure Hackathon - The Cannon**
1st place winners

LINKS

LinkedIn
www.linkedin.com/in/brianruizy

GitHub
www.github.com/BrianRuizy

Portfolio Website
www.brianruizy.com

PROJECTS

BookOMate

📅 03/2020 - Ongoing
🔗 ncov-dashboard.herokuapp.com

Django, ReactJS, PostgreSQL, Heroku, Travis CI

- Co-leading development of peer-to-peer calendar booking, which aims at simplifying the process with an intuitive design and functionality.
- Developed integrations to existing popular calendar apps, and social media OAuth authentications / registration.
- Working on back-end models ORM, class-based views and URL routing, as well as designing the UI of respective user forms.
- Managing dev-ops from Heroku Dyno's deployment, to Travis CI.

Bump.IT

📅 12/2019
🔗 github.com/BrianRuizy/2019-Microsoft-IoT-hackathon

Microsoft Smart-Infrastructure Hackathon
Python, React, Azure, Logic Apps, Computer Vision, Jupyter

- 1st place for collaborative design and minimum-viable-product development of road potholes' detection app to determine locations and severity.
- Potholes cause U.S. motorist about $3 billion annually, our app idea concepts the initiative for cities to save up to $150 per pothole.
- Developed Logic Apps data pipeline for preprocessing mobile telemetry data, mapping with GeoPy, and automating user notifications; and, helped with Computer Vision to analyze and categorize cases.

Favours-app

📅 07/2020 - Ongoing
🔗 PRIVATE

Django, REST API, Flutter, PostgreSQL, AWS

- Developing scalable local marketplace for small-jobs, where peers commit a "*favour*" in exchange for cash.
- Hosted on AWS EC2, with Docker containerization, and Using Django ORM to create a REST API which is then consumed for Flutter Native mobile application.

Twitter NLP sentiment analysis

📍 University of Houston Downtown
🔗 github.com/BrianRuizy/tweets-sentiment-analysis

- Created a supervised machine learning natural language processing script which effectively detects expression in the text, using Tweepy API to read a user's tweets.

Handwritten Digit Recognition

📍 University of Houston Downtown
🔗 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.
- Developed using Scikit-learn, matplotlib and Support Vector Machine model.
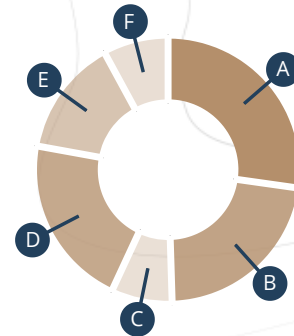
LANGUAGES

English
Proficient
●●●●●

Spanish
Native
●●●●○

PROGRAMMING

- **A** Web development / design
- **B** Backend development, DB
- **C** Cloud computing, Dev. Ops
- **D** Data science / analytics
- **E** Artificial intelligence/ ML
- **F** Git, scripting, testing; other...

REFERENCES

Josh Bryant
CAMS, Director of Engineering
available upon request

Rick Knauth
CAMS, VP of Asset Management
available upon request

G.V Krishnan
UH Summer Camp Coordinator
available upon request