

BRIAN LOBO-AMARO

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LOCATION: Miami FL, United States

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WORK EXPERIENCE

Data Scientist & Software Engineer Intern

01/2020 – 05/2020

NASA - Johnson Space Center, Houston, United States

- Created and deployed a data visualization page for data.nasa.gov that helps end users get a better sense of public datasets available on the site.
- Researched possibility of using ML model to determine which datasets on data.nasa.gov are suitable for A.I.
- Researched how the expansion of NASA acronyms effected results a ML model that predicts keywords from a standardized list of NASA keywords.
- Helped maintain and update NASA's public Earth Flask API.
- Wrote technical blog posts on open.nasa.gov.

Full Stack Web Engineer

03/2019 – 01/2020

Queentessence, North Miami Beach, United States

- Developed Python scripts querying RESTful APIs to get and parse data.
- Created RESTful APIs used internally with Django.
- Used Bootstrap, JS, and jQuery to create user friendly interfaces and dashboards.
- Used Python, Django, and PostgreSQL for backend system.
- Took desired features, such as a Marketing Campaign system, and DNS analytics page, and helped create it from start to finish.

EDUCATION

Bachelor's in Computer Science

08/2018 – present

Miami Dade College, Miami, United States

- 3.6 GPA
- Relevant Courses: C++ Programming, Java Programming

Software Engineering

03/2018 – 04/2018

42 Silicon Valley, Fremont, CA

- Learned about data structures such as hash tables, queues, stacks, and binary trees.
- Built out many low-level standard library functions in C.
- Created Unix commands using C such as cat, last, tail, and hexdump.

Programing + Design

08/2013 – 06/2017

Miami Springs Senior High: iTech Academy, Miami Springs, United States

- Created "Mission Echo" using GML + GameMaker Studio, a 2D game in which the goal is to terraform Mars. which won the Scholastic American Visions Gold Award.
- Worked with Oculus Rift DK2 to create Virtual Reality games in Unity with C#.

SKILLS

Languages

Javascript, Python, C, C++, Java, HTML/CSS, Arduino

Other Tools I Use

Git/GitHub, Docker, PostgreSQL, SQLite

Frameworks & Libraries

Django, Flask, Pandas, NumPy, Matplotlib, Bootstrap, jQuery, Keras

Hobbies

3D Printing, RaspPi and Arduino Projects, Model Rocketry, Guitar