

Jose Marquez

Data Scientist and Engineer

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+ Summary

Experienced Python programmer, skilled in delivering data insights to non-technical audiences through strong communication skills and creating data solutions that allow companies to execute on internal decisions with critical bottom line impact.

+ Skills

PROGRAMMING LANGUAGES: Python, C, SQL, HTML, CSS
DATA ANALYSIS AND VISUALIZATION: Pandas, Matplotlib, Numpy, Seaborn, Plotly, Excel
MACHINE AND DEEP LEARNING: Scikit-Learn, spaCy, Gensim, Scikit-Image, Tensorflow, Keras
WEB FRAMEWORKS AND SERVICES: Flask, Docker, PostgreSQL, MongoDB, Heroku, AWS Elastic Beanstalk, RDS, S3, Route 53

+ Education

Lambda School Dec. 2019 to Aug. 2020
Gained mastery over essential skills within the paradigm of data science, software engineering and team collaboration while immersed in real-world applications of the targeted skills.

San Antonio College Jan. 2010 to May 2012
Associate of Arts
Acquired a formidable skill set in Music Theory, Performance, Ear Training and History during an immersive education at San Antonio College, a leader in music education in San Antonio, TX.

+ Projects

Readrr

Apr. 2020 to June 2020

- Developed book title search engine, collaborative and content-based filtering for primary recommendation engine using Scikit-Learn and Python
- Gathered, cleaned and processed necessary data for machine learning processes with Python and Pandas
- Collaborated with 3 other data scientists, focusing on planning, execution, and improvements as a team
- Built Flask API routes and functions
- Managed API deployment to Amazon Web Services using Docker
- Maintained GitHub Repository

MedCab

Mar. 2020

- Developed Flask API to serve medicinal strain recommendations to an alternative medicine website
- Collaborated with machine learning team and web development team to serve content based filtering recommendations, completed in less than one week
- Managed PostgreSQL database population
- Deployed API to cloud PaaS (Heroku)
- GitHub Repository

The 2020 Tech Job Landscape

Aug. 2020

An analysis of tech sector job openings in the midst of 2020 events.

- Built web scraper in Python to extract data from indeed.com
- Cleaned and processed data using Pandas
- Used Natural Language Processing and Machine Learning to categorize varied job titles
- Built visualizations using Matplotlib and Plotly

+ Employment

Six Flags Inc.

San Antonio, TX

Co-Director of Music

Jan. 2011 to Nov. 2019

- Auditioned and secured the post of lead guitarist and auxiliary vocalist/bassist in San Antonio's foremost entertainment park
- Quickly ascended to Co-Director of Music by forming positive relationships and showing outstanding work ethic
- Additionally learned Dobro, Banjo, Mandolin and Keyboards for a total of 7 instruments played in service to the company
- Produced high quality audio tracks and notated music using industry standard software in a fast-paced high-pressure entertainment environment
- Responsible for asserting band show readiness within 3-4 weeks
- Introduced more efficient rehearsal methods
- Performed for thousands of Six Flags Fiesta Texas guests and provided an exciting and engaging patron experience