

Jose Marquez

Data Scientist, Analyst and Engineer

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Projects

[Readrr](#) - April 2020 to June 2020

- Developed book title search engine, collaborative and content-based filtering for primary recommendations 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](#) - March 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](#) - August 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.](#) - Jan. 2011 to Nov. 2019

Co-Director of Music | San Antonio, TX

- Managed a team of 3 musicians towards show readiness on tight 3-week rehearsal schedules in collaboration with counterpart director
- Produced 10-15 professionally crafted charts and up to 60 edited studio recordings per rehearsal period, up to 4 times a year
- Consistently executed thousands of shows during 9 year career, under high pressure to perform
- Directed band rehearsal during counterpart absence
- Introduced more efficient rehearsal methods, cutting time wasted each season by more than 15%
- Learned 4 additional instruments to cover entertainment department needs

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](#)

Associate of Arts

Jan. 2010 to May 2012

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.