

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.