

# 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  
Completed an intensive 9 month Data and Computer Science curriculum with emphasis on the Python programming language, Data Analysis, Visualization and Machine Learning. 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**

Gained 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. Served as lead guitarist in the SAC and PAC Jazz Ensembles. Learned transferable skills such as persistence, patience, and methodical approaches to solving technical problems.

### + 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
- Maintained and developed a professional touring guitar equipment system
- 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
- Upheld personal responsibility and accountability for individual instrumental parts
- Introduced more efficient rehearsal methods that expedited the readiness process
- Performed for thousands of Six Flags Fiesta Texas guests and provided an exciting and engaging patron experience