# JORGE MELCHOR

DATA VISUALIZATION

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Investigative and visual journalist with Python programming and data analysis skills. Willing to take a mid-level position to move full-time into a data analysis role, preferably with a company that will allow me to grow my skills.

- 2 years of experience with Python, R-Studio, SQL, D3, Echarts
- 3 years experience troubleshooting technical issues, setting up automated servers
- 1 year working with linux administrator Data center Phoenix
- Experience in networking, developing and maintaining cloud solutions in virtualized environments
- Ability to create real-time reporting dashboards
- Adept at working both independently and as part of a team
- Effective at communicating technical tasks and concepts to diverse audiences
- Collaboration with development and product management teams
- Enjoy learning new technologies and challengings concepts
- Excellent organizational and time-management skills
- Coordination with offshore teams in multiple time zones
- Analytical skills and attention to details
- Languages: English, Spanish
- US Citizen

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| Systems : | Mac OS X, Windows, iOS, Centos, Linux |
| Full Stack Developer: | Flask, Django, Bootstrap, Chrome DevTools, React |
| Web: | HTML, D3, CSS, Visual Studio Code, Studio, Xcode |
| Bug Tracking: | Jira, TestRail, Kali Linux |
| Database: | MySQL, SQL, Mongo, Postgres, Sqlalchemy |
| API Testing: | Postman, REST API, Charles Proxy |

## WORK EXPERIENCE

08/2019 – Current        Data Science/ Analytics   Palabranahj.org         (New Jersey)

Using Data World SQL and R Studio, scraped data from various data set pages to create maps with Python and track COVID-19 cases among Latinos in New Jersey; used Google Analytics to monitor metrics and access preferred content; showed that people of color were getting sick from Covid-19 at a much higher rate, likely due at least in part to jobs that kept them on the front lines and misinformation about the virus and resulting vaccines.

- Designed and developed schema data models
- Analyzed information from different governmental sources
- Python Notebook, TLC techniques to clean the data
- Python data visualization
- Python data connectivity
- Alteryx for prediction analytics
- Investigative and visual journalist with Python programming and data analysis skills
- Developed, maintaining and executing test cases using TestRail
- Performed functional, UI and regression testing
- Developed database objects, including tables, views and materialized views using SQL

## EDUCATION

Instituto Politecnico Nacional, Mexico City. Bachelor's Degree  of International Business and Economics.
Rutgers University, New Jersey. Data Science Certification,

## KEY ACCOMPLISHMENTS

I am building an app using Flask, Streamlit, interactive data visualization and machine learning to map the history of stocks and where they are likely to go in the future. My app is the first comprehensive look at stocks, combining historical data, current analysis from Twitter and data visualization, specifically for a bilingual Spanish/English market.

- Certification for Machine Learning
- Certification for Python Intermed, Professional
- Certification for Advanced Google Analytics
- Certification for Python basics
- Single-handedly managed software and hardware support to the entire data center
- Created a robot from scratch with Raspberry Pi
- Built a portable internet radio with Raspberry Pi
- Face recognition with Flask app
- Created two companies, including building business models and an online presence from scratch

## SKILLS

- Python/Flask/Jupyter Notebook
- R Studio
- SQL/Mongo/Sqlalchemy
- API
- Big Data
- Tableau /Power B
- Machine Learning
- Cybersecurity/Kali-Linux/Python
- Cloud
- Trend Data Analysis
- Decision Making
- Technical Support
- Data Summaries
- Financial Data

References available upon request