Manuel J. Molina

Data Scientist

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EDUCATION

BA/Psychology, Minor in Economics

Loyola Marymount University, Los Angeles, CA

2012-2014, 2016-2018

SUMMARY

Curious data scientist with a background in behavioral psychology. Utilizes a unique perspective to interpret data and produce creative solutions via machine learning algorithms. Looking to optimize impact using statistics and data-driven analytics.

SKILLS

Data Science: Machine Learning, Deep Learning, Natural Language Processing, Web Scraping, Time Series Analysis, Statistical Analysis, Image Processing, Pandas, NumPy, Tensorflow, Keras, Scikit Learn, Linear Algebra, Quantitative Analysis

Programming: Python, HTML, SQL, PySpark, Git

Data Visualization: Matplotlib, Seaborn, Tableau

Additional Skills: Client Relations, Cross Cultural Communication

EXPERIENCE

Data Science Fellow • General Assembly • Remote
[November 2021 - March 2022]

• Completed 480 hours, 5 projects, and 20 assignments in a challenging immersive course using python and various software & programming packages. Learned mathematical theory to utilize data analytics and predictive machine learning algorithms for regression & classification problems.

• Programmed a convolutional neural network on MRI scans to classify between schizophrenic and non-schizophrenic brains.

• Built clustering models and a web application to analyze the relationship between climate change and air pollution related mortality rates.

• Used a natural language processing algorithm to create several machine learning models to predict the classification of thousands of scraped Reddit posts.

Registered Behavior Tech 2 • Autism Learning Partners • San Francisco, CA
[September 2019 - March 2022]

• Applied evidence-based behavior intervention techniques utilizing an online data tracking system with 7 children diagnosed with Autism, from 4-13 years old, under the supervision of a Board Certified Behavior Analyst.

• Improved life-skills via interventions that are designed to increase desired behavior in social contexts and manage maladaptive behaviors.

Team Leader • AIESEC AdMU • Quezon City, Philippines
[August 2014 - March 2016]

• Developed, managed, and pitched a microfinance project in a team of 4. Leveraged 50 financially literate international undergraduate and graduate students as consultants to coach 25 local micro-entrepreneurs. Partnered with 4 local micro-lending institutions and 2 non-government organizations.