

Ricardo Daniel Alatorre Cantú

DATA SCIENTIST

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SUMMARY

TECHNICAL SKILLS

- Proficient in the use of data science tools such as Python, R, and SQL
- Fluent in English and Spanish

DATA SCIENCE PROJECTS

- **Reddit Post Classification:** Trained classifiers on which subreddit a given post came from, r/NBA or r/NFL, comparing results between methods such as Logistic Regression, k-Nearest Neighbors and Random Forests.
- **Air Quality Impact:** Used time-series analysis to study the effects of Air Quality on Health Outcomes Among CA Counties, finding that fine-air particulate matter had a statistically significant influence on deaths from heart disease & cancer.
- **Energy Demand and Price Forecasting:** Leveraged ARIMAX, Random Forest Regressor, and Long Short-Term Memory (LSTM) neural networks to forecast the price and demand of energy on the Mexican national grid.

EXPERIENCE

Amazon Web Services

Chicago, IL, USA

Senior Program Manager – Solutions Value Engineering, AWS Solutions Group

09/2021 - 10/2022

- Developed an annual revenue forecasting model covering 22 Industry Solutions domains and 9 Cross-Industry Solutions domains
- Gained alignment on a business value modeling mechanism that leverages value benchmarking data in Sales engagements, increasing projected revenue uplift from 9.7% to 17.6% compared to Sales engagements that only leverage cost benchmarks

Business Developer MBA Intern – Power & Utilities, AWS Solutions Group

Jun 2020 – Sep 2020

- Developed a proposal for an electric vehicle managed charging solution on AWS Cloud to reduce wind and solar energy curtailment, which was adopted by 2 utility clients and contributed to the development of an EV fleet management platform

CEMEX

San Pedro Garza García, Nuevo León, México

Energy Analyst – Business Development

Apr 2017 – Jul 2019

- Reduced CEMEX's projected energy costs for its Mexican operations by 20% over the next 12 to 20 years by advising the company on how to cover over 32% of its yearly energy consumption, allowing it to meet its Clean Energy Certificate requirements in the medium term as well
- Placed over 80% of a 250.5 Megawatt (MW) wind farm's yearly energy generation through the negotiation of Power Purchasing Agreements with clients in the retail, aluminum, and brewing industries
- Contributed to the launch of two 150 MW solar farms, set to cover 18% of total energy consumption corresponding to CEMEX's cement operations, by coordinating regulatory compliance and delegating contractual obligations for the energy department's Business Development, Finance, and Project Management teams

Auric Consulting

San Pedro Garza García, Nuevo León, México

Business Analyst

Oct 2015 – Mar 2017

- Reconfigured the building handover process of a regional affordable housing developer (participating in 4.9% of government-financed mortgages at the time) and standardized said process in 36 different developments across 7 states in order to improve customer satisfaction and regulatory compliance
- Designed a jointly agreed replenishment process for a high-volume beverage supplier and retailer that reduced inventory days by 8%, reduced product shortages by 55%, and increased payload by 6%

EDUCATION

GENERAL ASSEMBLY

Remote

Certificate, Data Science Immersive

10/2022 - 02/2023

THE UNIVERSITY OF CHICAGO BOOTH SCHOOL OF BUSINESS

Chicago, IL

Master of Business Administration, Concentrations in Operations Management, Econometrics & Statistics

09/2019 – 06/2021

COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK

New York City, NY,

Bachelor of Arts, Double Major in Economics & Mathematics

Aug 2010 – May 2014