David Garza Gonzalez

Querétaro • dagago97@gmail.com • +52 81 1611 8761

Education

Instituto Tecnológico y de Estudios Superiores de Monterrey   **Monterrey, NL**
Bachelors Degree, Engineering Physics   June, 2021

Experience

Outlier   Remote
Data Scientist   February 2025 – Present

- Assessed and corrected the factuality and relevance of domain-specific text produced by AI models.
- Created many questions related to Software Engineering and ML for further training on AI models.

ClimateAi   Remote
Data Scientist II   September 2022 – June 2024

- Created, implemented and deployed into production the ClimateAi Validation Tool which derived skill metrics from all ClimateAi's forecasts at daily, weekly and monthly time scales; reducing the time spent creating forecast validations from days to minutes.
- Calculated and deployed into production statistics for al lClimateAi's forecasts for postprocessing, improving their skill based on the ClimateAi Validation Tool.
- Created forecasting baselines to validate ClimateAi's forecasts by postprocessing large reanalysis datasets like ERA5 and IMERG.
- Developed many spatial analyses with Python helping validate ClimateAi's forecasts.
- Built a Docker Image for processing data for the Data Science team to use in AWS SageMaker.
- Created and managed datasets in zarr and netcdf formats in both AWS S3 and GCP Cloud Storage.

Data Scientist I   June 2021 – September 2022

- Developed and Implemented a Yield Impact Model using a simple Neural Network coupling data from the client and USDA as well as satellite data.
- Obtained data from the USDA website for the Yield Impact Model through web scraping techniques using BeautifulSoup and Selenium.
- Developed and delivered thorough analyses regarding ClimateAi's models performances through clear and effective visualizations done in Python using Matplotlib and Seaborn.

Skills

Technical: Python Expert, Matlab Intermediate, SQL Intermediate, ArcMap Beginner
Language: English Professional, Spanish Native
Interests: Football (soccer) and Fishing