

ANDREW GOMEZ

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EDUCATION

BS in Computational and Applied Mathematics - GPA: 3.6

08/2020 - 05/2024

Concentration: Data Analytics and Business Intelligence

University of South Florida

SKILLS

Programming Languages: SQL, R, Python (Plotly, Pandas, Numpy), MATLAB

Visualization Tools: PowerBI, Tableau, R Studio

Softwares: Excel, Jupyter, ChatGPT, Microsoft Office

Other: Statistical Testing, Cleaning Data, Data Analysis, Querying Data in SQL, Data Visualization

WORK EXPERIENCE

Florida Peninsula Insurance

07/2024 - Present

Claims Data Analyst

- Built and optimized **SQL** queries to extract and transform high-volume insurance claims data, ensuring efficient movement of data across multiple systems while supporting critical business use cases.
- Developed predictive models in **Python** to forecast task volumes for hurricane-related claims, allowing upper management to accurately determine staffing needs based on expected claim inflows, saving the company over \$500K in operational costs.
- Implemented a machine learning model using **XGBoost** in **Python** to predict large hurricane losses before claims were filed.
- Collaborated with IT teams to move sensitive data between internal systems and cloud-based environments, applying best practices in data integrity, validation, and automation.
- Receive daily ad-hoc requests by various teams ensure all requirements are consistently met to exceed the stakeholders' expectations.
- Enhanced team performance tracking by delivering live **Power BI** dashboards and daily reports to managers, enabling accurate and fast identification and resolution of performance issues

Global Tech Experience

01/2024 - 05/2024

SQL and Python Trainee

- Wrote **SQL** queries and **Python** code to extract and manipulate data
- Performed over twenty professional-level data analysis projects on datasets from companies such as Intel, Zillow, The Recording Academy, etc.
- Communicated results of data analysis by creating visualizations in **Tableau**
- Gained insights into global business strategy by using data techniques such as **exploratory data analysis**, summary statistics, and data visualization

Freelance

05/2020 - 08/2024

Math Tutor

- One-on-one remote, weekly session with 12 students, ranging from age 7-21
- Provide reviews and lesson plans to improve the understanding of mathematical concepts learned in school
- Improved students' grades by an average of 30%

MedZoomer

05/2023 - 08/2023

Data Analyst Intern

- Managed and analyzed diverse datasets utilizing **Excel** to optimize delivery operations, resulting in a 30% reduction in cancelled and failed orders
- Created easy-to-understand **data visualizations** to present to the executives on a weekly basis
- Implemented data-driven strategies that expanded client base nationwide by 20%, leading to a 20% increase in revenue

PROJECTS

Intel Data Center

- Was given data from Intel as a part of the Global Tech Experience
- Utilized **SQL** to extract, transform, and analyze the dataset
- Created correlation maps, scatterplots, and bar charts on **Tableau** demonstrating the regions with the highest renewable energy rates, largest energy surplus, and others

NBA Salary Metrics

- Performed exploratory data analysis on **R** to understand the salary and players' statistics dataset I was working with
- Ran statistical tests such as **correlation tests**, **ridge regression**, **multiple regression**, and tested for multicollinearity to determine which factors had the largest impact on an NBA player's salary