Maria Garcia

Data Analyst | (708) 224 - 3549 | Chicago, IL | garciam2017@gmail.com | www.mari-garci.com

SKILLS & CERTIFICATIONS

Certifications: AWS Cloud Practitioner (August 2023)
Programming Languages: SQL, Python, JavaScript
Technologies: Databases(MongoDB, PostgreSQL), Tableau, NumPy, Pandas, Seaborn, ETL
Other: Spanish (Native Speaker), Mandarin (Conversational)

WORK EXPERIENCE

Data and Technology Specialist, Texas Toolbelt   July 2021 - April 2023
- Crafted optimized SQL queries to automate data reporting, reducing report generation time by 75 minutes per week per campaign.
- Developed real-time SQL/Python dashboard for 70+ organizations to coordinate voter engagement efforts, tracking outreach for 868k+ people with 23k+ confirmed votes. Enabled data-driven decisions and performance optimization.
- Created live dashboard and strategy maps for a large political campaign, tracking 7M+ outreach attempts across 4 counties and 5 contact types. Enabled coalition leaders to filter maps, communicate new strategy, and optimize outreach by demographic.
- Obtained multi-million dollar contract through positive client relations.
- Communicated technical concepts to non-technical people. Helped clients understand their data and systems. Designed and delivered presentations on database use and standardizing data collection

Full Stack Software Engineering Intern, Scarlet Data Studio   July - August 2021
- Analyzed COVID-19's impact on transport systems by extracting disability rates data from Chicago Health Atlas API using Python/SQL to create an ETL pipeline.
- Wrote automated tests with pyTest to ensure secure data uploads.
- Improved user experience by creating dynamic data visualizations using React and Recharts with Javascript.

TECHNICAL EXPERIENCE AND PROJECTS

Get Out the Vote 2022   May- July 2022
Automated data transfers from CSV files containing decades of data to an AWS database and developed maps and trend analysis in various Texan regions based on border proximity, income, demographics and voting history. Created tools for data visualization that were used for Beto O'Rourke's campaign and are being used for strategy around the 2024 presidential election. SQL, AWS, Python (Pandas, NumPy, Seaborn)

Internal Reporting System   January 2022
Automated data transfers from mobile app to database and automated data visualizations for common scenarios. Cut end of project reporting time from two weeks to one day. SQL, Python, Excel

EDUCATION

ILLINOIS INSTITUTE OF TECHNOLOGY, Chicago, IL
Bachelors of Science | Computer Science |GPA: 3.0   December 2021
Relevant Coursework: Object-Oriented Programming I/II, Database Organization, Software Engineering, Discrete Structures, Algorithms, Assembly, Systems Programming, Mobile Application Development, Probability and Statistics