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Objective

Team-oriented programmer with a BS in Data Science and four years of experience in BI Analytics, specializing in model development, data automation, and business reporting. Proven track record of driving efficiency and delivering actionable historical and predictive insights through data-driven solutions.

Relevant & Transferrable Skills

- Python, SQL, Google BigQuery, R, JSON, Java
- Jupyter, PANDAS, scikit-learn (ML)
- Tableau, PowerBI, Looker, PostgreSQL, Snowflake, AWS, MongoDB, Salesforce
- Web Scraping, Data Mining, ETL, NLP
- AGILE, JIRA, Rally, Git/Source control
- Data Viz: D3, HighChart, ZingChart
- HTML, CSS, JavaScript, Bootstrap

Experience

Coforge [Sabre] - Technical Consultant [Sr. IT Business Systems Analyst] - March 2023 - January 2025

- Managed 15-20 high-priority JIRA tickets monthly, each addressing critical RegEx implementations and system updates, improving ticket processing efficiency by 20%, ensuring 100% compliance with implementation cycle schedules and contributing to millions in cost savings.
- Created a semi-automated Excel pipeline using Google BigQuery outputs and formulas for traffic estimate reports, calculating the impact of regular expressions on downstream systems and reducing tasks by 50%, saving 4 hours/week for high-volume cases.
- Utilized Python to automate the comparison of .XML files across testing environments, reducing time allocated for task by 50% and ensuring 100% accuracy in identifying character-level differences, accelerating project timelines and minimizing review errors.

Liftoff - Business Intelligence Analyst - April 2021 - September 2022

- Built Tableau/GSheet template utilizing advanced SQL queries & EXCEL functions for peer comparison analysis, cutting worktime by 75% and accelerating data-driven insights for stakeholders.
- Designed Tableau dashboard for Creatives team, automating creative searches and providing KPI tracking. Enabled filtering by key features, cutting development time for new creatives by 85%.
- Collaborated on post-merger data integration by restructuring 4 data sources and rebuilding Tableau connections, reducing query runtime by 80% and enabling faster analysis of 20 months of data.
- Redesigned a Python script for Salesforce Market Data, reducing runtime by 80% and adding exception handling to prevent crashes, ensuring reliability and efficiency.

Alliant Insurance - Business Intelligence Internship - June 2019 - August 2019

- Led development of automated underwriting system using Python, ML, and community data to assess property risk at the zip code level. Reduced underwriting process time from 10 minutes to immediate premium quoting, improving efficiency by 100% and enhancing accuracy in risk assessments.
- Negotiated data deals with 3rd party company for model testing across 8 states. Presented the proof-of-concept to senior management, providing insights that contributed to company-wide implementation and decreasing amount in claims by 25%, resulting in significant savings.

Computational Neural Data and Dynamics Lab - Research Assistant/Intern - October 2018 - June 2019

- Used Python, R, MySQL, & Plotly with web app development to create an interactive repository of epigenomic data, displayed as scatter and tSNE plots. Reduced data analysis time from hours to minutes, improving efficiency by 83%, while coordinating weekly team meetings and 1-on-1s with the professor to distribute work and resolve blockers.

Education

University of California San Diego - BS in Data Science