Nicholas Sanchez

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JOB EXPERIENCE & LEADERSHIP

SDG Group – Data Company   **Feb 2023 – Present**
Data Analyst   Remote

- ♦ **Johnson & Johnson Data Transformation Team**
  - Developed end-to-end ETLs in DBT (Datacoves) with SQL models leveraging a combination of jinja and SQL to transform and clean data
  - Programmed python scripts to automate documentation tasks, check similarities and differences within data sets and streamline complex processes to accelerate progress for the client.
    - Managed a team of 5 to work in an automation mindset successfully reducing a 6-month deadline to 4 months.
  - Oversaw the main branch in git to ensure that pull requests followed the necessary protocols and that all implemented tests passed successfully in Jenkins.
  - Documented bugs, errors, fixes and issues to present to the client using JIRA to manage the progress of each task within user stories.
- ♦ **Roche Data Consultant**
  - Designed an architecture and deployed a database from scratch, scraping data from multiple sources—including APIs, Google Sheets, and Microsoft servers—to centralize all data in a high-end Tableau environment for seamless access and analysis. Utilized python, snowflake, AWS for data processing and storage, with Tableau for visualizations.
  - Consulted client to understand the necessary specifications of each product to get insight into errors within the raw data to complete effective transformations and tests.
  - Automated the process within EC2 to run monthly and integrated tests to ensure data quality.
  - Created Java applications to replace manual data entry in Excel sheets, improving efficiency and reducing errors.
- ♦ **Temporary Daichi Consultant**
  - Employed data warehousing, business intelligence tools and applications
  - Wrote multiple Microsoft Azure Scripts to create container registries and connected it to Azure Kubernetes Services
- ♦ **Formation Training**
  - Completed extensive trainings in PowerBi (DAX), DBT (SQL), Qlik, Talend, github, html and CSS.
  - Built interactive dashboards with Tableau for client visualization, used PowerBi and PowerQuery for data analysis, applied Snowflake for data transformations, and built the backend with EC2 and Python.

EDUCATION

Rensselaer Polytechnic Institute   **Aug 2017 – Dec 2021**
Bachelors in Mechanical Engineering: GPA 3.1   Troy, NY
Activities: Resident Assistant, Society of Hispanic Professional Engineers, Panera Student Worker, Intramural Soccer
Universidad Nebrija IMF   **Jan 2022 – Dec 2024**
Masters in Big Data and Data Science   Madrid, Spain

RELEVANT PROJECTS & INVOLVEMENT

TAIKAI GALP Hackathon Retail 4.0 Finalist and Winner   **Apr 2022 – May 2022**
- Utilized Python to extract transform and load(pipeline) large data sets. Then completed linear regressions with machine learning attributes to find patterns within retail sales from 2015 to 2020. Best solution out of 150 teams.

Predictive Analytics Model for Soccer   **Fall 2022 – Winter 2022**
- Enhanced an existing soccer prediction model by integrating a combination of a random forest and linear regression, improving match outcome predictions within a league. The model achieved a 75% accuracy rate.

Madrid Hospitalization Data Analysis   **Apr 2022 – June 2022**
- Conducted an analysis of Hospitalizations in the community of Madrid from 2012 to 2021 using R and python to find patterns and to visualize the effects of COVID-19 and utilized data tests to identify statistical significances

SKILLS

SOFTWARE: SQL, Python, PowerBi, Qlik, Jira, Datacoves, Matlab, R, Tableau, C++, R, Inventor, DAX, Talend, AWS
LANGUAGES: Fluent in English and Spanish and Beginner(A1) in French