Ryan Adam Abanilla Sandan

201-492-2452 | rsandan@berkeley.edu | linkedin.com/in/rsandan | github.com/rsandan | rsandan.github.io

Education

University of California, Berkeley May 2022
Bachelor of Arts in Data Science *Berkeley, CA*

Technical Skills

Languages: Python, SQL, R, Java, C++, HTML, CSS/Sass, Javascript
Libraries: Pandas, NumPy, Plotly, Ngrok, Streamlit, Keras, Jax, TensorFlow, Scikit Learn, PySpark, PyTorch, XGBoost
Tools: SageMaker, DataBricks, Snowflake, Spark, Hadoop, Git, Docker, JIRA/Confluence , Airflow, Azure DevOps
Business Intelligence: Tableau, Power BI, Excel, Salesforce Analytics, Looker, Adobe Analytics, Power Automate, D3

Professional Experience

Data Analyst III June 2022 – Present
Juniper Networks *Sunnyvale, CA*

- Built ETL pipeline using Python, SQL, Snowflake, DataBricks, and Tableau to capture and visualize YoY carbon emissions from Juniper's customers use of hardware products with cross-functional collaboration across Hardware Engineering, Sustainability, Supply Chain, and Marketing; achieved A- rating in CDP Climate Disclosure 2023.
- Supervised and led Tableau/Power BI dashboard production and server management for different teams within Legal (e.g., Legal Operations, Compliance, Brand Protection, and Patents)
- Automated 20+ live dashboards with its respective scheduled refreshes utilizing Python, Snowflake/SQL, Microsoft Power Automate, and 3rd party APIs, overall saving 35 hours of manual effort done bi-weekly
- Configured and optimized JIRA Projects to replace Palamida (EOL), enhancing workflows, automations, and user experience. Served as Super Admin, supporting 400+ Engineering users and Product Counsel SMEs
- Streamlined and automated legal workflows (e.g., NPI Checklist, Quarterly Certifications, GTM Agreements) using Forms, Excel, Power Automate, enabling real-time notifications for attorneys and SMEs based on form inputs
- Published own materials (e.g., slide decks, training videos) on company's internal website, primarily within legal

Legal Technology Analyst Intern June 2021 – June 2022
Juniper Networks *Sunnyvale, CA*

- Developed Tableau dashboard tracking outside counsel spend across 75+ firms and 1000+ matters, enabling 15% cost savings through rate negotiations and matter scoping
- Deployed live Tableau dashboard via Snowflake/SQL connection visualizing HR data across 10k+ employees to identify risk profiles and compliance training needs, increased completion rates by 30% in certain business units

Course Assistant January 2021 – May 2022
UC Berkeley College of Data Science, Computing, and Society *Berkeley, CA*

- Supported 120+ overall students in 3 data science courses and provided weekly office hours for technical support
- Coordinated with professors to develop jupyter notebooks and utilized Git to manage coursework curriculum

Aerospace Scholar / Software Developer September 2019 – March 2020
NASA NCAS *NASA Stennis Space Center, MS*

- Programmed rover mission routes to retrieve rocks and execute rescue missions using GoPiGo and Python
- Awarded 1st place in team rover competition evaluating rover performance, budgeting, and communication

Projects

Next Man Up: NBA Player Clustering for Talent Identification | *vscode, pandas, numpy, matplotlib, sklearn, nba api, seaborn*

- Implemented k-means clustering machine learning model to group NBA, WNBA, G-League, NCAA players based on standardized box score statistics to scout emerging talent, and provide player replacements for injuries/trades
- Developed data preprocessing pipelines and modularized my own user-defined functions to transform and normalize datasets from nba.com (stored in MongoDB Atlas), applied t-SNE to visualize clusters of players