Ryan Sandan

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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, Seaborn, Plotly, Matplotlib, 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 Legal Operations, Compliance, Brand Protection, and Patent team
➢ Automated 20+ live dashboards with its respective scheduled refreshes utilizing Python, Snowflake/SQL and 3rd party APIs, overall saving 35 hours of manual effort done bi-weekly
➢ Managed and deployed JIRA projects for Product Counsel and Engineering (~300 users) as Super Admin, implemented optimized configurations, workflows, and automations

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 2nd 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 model to group NBA, WNBA, and G-League players based on box score statistics to identify player replacements, scout emerging talent, and provide contingency planning for injuries/trades
➢ Developed data preprocessing pipelines and modularized user-defined functions to transform and normalize datasets from nba.com (stored in MongoDB Atlas), facilitating efficient data management
➢ Applied t-SNE embedding on dimension-reduced data to visualize 5 clusters of player data in regards to position
➢ Please check out my website for more projects! https://www.rsandan.github.io/