Ryan Sandan

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Education

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

Technical Skills

Programming Languages: Python, SQL, R, Java, C++, HTML, CSS/Sass, Javascript, Regex

Data Science/ML: pandas, numpy, plotly, ngrok, streamlit, keras, jax, tensorflow, scikit-learn, pyspark, pytorch, xgboost

Data Engineering & Tools: Databricks, Snowflake, Spark, Hadoop, Git, Visio, Docker, Airflow, Sagemaker, Azure Devops

Visualization & Insights: Tableau, Power BI, Excel, Power Automate, Jira, Salesforce, Adobe Analytics, Looker, Airtable

Experience

Legal Operations Analyst III — Sunnyvale, CA

Juniper Networks HPE (*Legal Operations, Patents, Compliance, Privacy*) — June 2022 - Present

- 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 2023-24**
- Developed and automated 20+ live Tableau and Power BI dashboards with daily refreshes using Python, Snowflake/SQL, Power Automate, and 3rd-party APIs (TAP Thinksmart), **saved 20 hours of manual work**
- Reported on **legal KPIs** such as quarterly certification completion rates (SOX process), contract volumes, corporate policy analytics, and patent portfolio analytics (Lecorpio) to senior leadership to inform strategic decision-making
- Streamlined and managed privacy compliance workflows for **EU Data Act, EU AI Act, and Open-Source Software OSS** review into Jira with custom-built fields and automation rules, supporting Product Counsel SMEs and 500+ engineers; used by Juniper and HPE Legal/Engineering PLMs for data handling, management, and obligations
- Automated single OSS and SBOM license review workflows in Jira, **driving 40% reduction in manual workload for single OSS tickets and 99.5% reduction for SBOM tickets**; **system auto-screened 180k+ licenses annually**, accelerating Product Counsel reviews and enabling faster go-to-market decisions
- Designed and implemented data-driven automation for multiple legal workflows using MSFT Forms, Excel, Power Automate, developed rule-based logic to automate real-time email notifications for attorneys based on form inputs
- Entrusted with publishing official materials and managing UI updates on the company's internal website (opentext)

Legal Technology Analyst Intern — Sunnyvale, CA

Juniper Networks — June 2021 - 2022

- Developed Tableau dashboard tracking outside counsel spend via LegalTracker e-billing data, visualized KPIs like top firms/matters by spend, average/median timekeeper rate, firm-to-matter ratio, cost center spend distribution
- Deployed live Tableau dashboard via Snowflake/SQL connection visualizing HR and internal training data across 10k+ employees to identify compliance training gaps and highlight at-risk groups for training incompletion

Course Assistant — Berkeley, CA

UC Berkeley College of Data Science, Computing, and Society — January 2021 - May 2022

- **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

Projects

Yahoo NBA Fantasy League Dashboard *(2024 - Present)* | *render, python, sql, oauth2, git/github, json, ngrok, streamlit*

- Deployed web app analytics dashboard using Render and Yahoo Fantasy API to visualize league matchup data and free-agency trends (e.g., league leaders in stats, most added/dropped players); **gained 10+ users in first season**

Next Man Up: NBA Player Clustering for Talent Identification | *render, python, sql, oauth2, git/github, json, ngrok, streamlit*

- 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