# Ryan 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 (Legal Operations, Compliance, Brand Protection, and Patents)* *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 2023-24
- Supervised and led Tableau/Power BI dashboard production and server management for teams within Legal
- Managed and automated 20+ Tableau and Power BI dashboards with scheduled refreshes using Python, Snowflake/SQL, Power Automate, and 3rd-party APIs—eliminating 25-30 hours of bi-weekly manual work
- Configured and managed JIRA Projects as super admin, supporting 500+ Engineering users and Product Counsel
- Developed custom automation rules in JIRA to streamline the open source software (OSS) review process based on open source licenses and architecture rules, improving efficiency and reducing manual workload for attorneys
- Designed and implemented data-driven automation for multiple legal workflows using MSFT Forms, Excel, Power Automate, developed rule-based logic to trigger real-time email notifications for attorneys based on form inputs
- Published materials (policies, slide decks, training videos) and updated UI on company's website using opentext

**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 20% 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

## Projects

**Yahoo! NBA Fantasy League Dashboard (2024-25)** | *render, python, sql, oauth2, git/github, json, ngrok, streamlit*

- Deployed web app dashboard analytics using Render and Yahoo's Fantasy API to analyze league matchup data, free agency transactions, and player trends. Gained hands-on experience with OAuth 2.0 authentication, secure API token management, web hosting, API structures, and authentication workflows

**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