

MADELINE H. SANDS

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QUALIFICATION HIGHLIGHTS

-Strong computer programming skills
-MS Candidate, Business Analytics, Rady School of Management
(expected Dec. 2024)

-Experience in building & implementing ML models
- Responsible for external vendor management

- Vast project management and leadership experience
- Extensive Knowledge of data visualization tools like Tableau and Superset

WORK EXPERIENCE

Senior Data Analyst, Scientist.com, Solana Beach, CA 06/2021 - Present

- Develop comprehensive reports via SQL queries using Athena Web Services and Tableau to track the success of new off-the-shelf product offerings, contributing to a 10% decrease in time spent on decision-making processes.
- Produce and implement machine learning algorithms, sentiment analysis, via clustering and vectorization in Python, that identified commonalities between purchase-order milestones, automating the PO process and reducing time to create a PO by 7%.
- Create and manage new data visualization dashboards within Tableau to improve data accessibility and validity for team members, resulting in improved data quality and better user experience.
- Collaborate with cross functional teams to develop and deploy boost factor algorithm utilizing 15 supplier features, resulting in a 20% increase in the accuracy of supplier search results on the Scientist.com platform.

Data Analyst, Scientist.com, Solana Beach, CA 04/2020 - 06/2021

- Spearheaded the development and management of the Covid Collaboration Center (CCC), a public-facing platform during the Covid-19 pandemic. Curated and integrated research papers on SARS-CoV-2 and connected users with suppliers offering Covid-related products.
- Designed and maintained the configuration database at Scientist.com, including the creation of procedures to validate supplier data, ensuring its integrity and consistency.
- Collaborated with cross-functional teams to develop interactive Tableau dashboards that visually represented key KPIs, resulting in a 15% increase in efficiency in analyzing CRO performance metrics.

Data Analyst Assistant, Scientist.com, Solana Beach, CA 06/2018 - 04/2020

- Implemented the adoption of request dynamic forms used on the Scientist.com platform that reduced the time to purchase order by 30% and increased number of statement of works submitted via the platform by 5%.
- Standardized over 4,000 Contract Research Organization (CROs) service areas on the [Scientist.com](#) platform. Developed Tableau dashboards to evaluate the performance of pharmaceutical service areas, enhancing data visibility and decision-making.

Clinical Research Associate, UC Irvine Health, Irvine, CA 06/2017 - 03/2019

- Recruited patients to enroll in a prospective clinical research project comparing point-of-care ultrasound to CAT scans when diagnosing Necrotizing Fasciitis in an emergency room setting.
- Conducted in-depth retrospective statistical analysis on psychiatric patient records over a 3-year period to identify correlations between mental health professional variations and length of Emergency Room stays.

EDUCATION

Master of Science in Business Analytics, Rady School of Management
University of California, San Diego, CA Expected: 12/2024
GPA: 3.91
Courses include - Analyzing Large Unstructured Data, ETL pipelines/ SQL, Statistic Analysis

Bachelor of Science, Chemistry 03/2020
University of California, Irvine, CA

SKILL & COMPETENCIES

Python (Pandas, Scikit-learn, NumPy, Keras), SQL, Jupyter, GitHub, VS Code, AWS, Athena, Tableau, Superset, Salesforce