ADAM REEVESMAN

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SKILLS

Languages & Databases: Python (Pandas, Numpy, Scikit-learn, PySpark, Pytest, Flask), SQL (PostgreSQL, Snowflake, RedShift), NoSQL (MongoDB), R, Scala
Technologies: AWS (S3, EC2), Airflow, Docker, Git, Zookeeper
Machine Learning: Linear Regression, Time Series Analysis, A/B Testing, Ensemble Methods, Unsupervised Learning
Data Visualization: Plotly, Dash, Shiny, Power BI, Tableau, Matplotlib, ggplot2, Excel

EXPERIENCE

Research Data Specialist I
Department of Developmental Services, Sacramento, CA 01/2025 - present
- Generate detailed data analytics (Python, SQL, Snowflake) and create interactive dashboards (Power BI) to enable stakeholders to visualize data trends and make data-driven decisions.
- Collaborate with cross-functional teams to deliver actionable insights and automate data workflows (Python, SQL) to enhance efficiency, reduce manual workload, and improve program outcomes.

Research Data Analyst II
Department of Consumer Affairs, Sacramento, CA 11/2023 - 01/2025
- Generated and reported actionable data across twenty boards and bureaus, providing Item Response Theory statistics to assess exam question difficulty, identify inefficiencies, and improve program outcomes.
- Built an interactive web application (Python, Flask) connected to a centralized database (MongoDB) to present dashboards for exam score distributions and pass rate visualizations (Plotly) and to provide on-demand access to consistent and accurate item statistics, significantly improving data dissemination and operational efficiency.
- Automated manual data acquisition workflows (Python) reducing task time by over 65%.

Data Engineer
Saama Technologies, San Jose, CA 03/2020 - 08/2023
- Developed automated ETL pipelines (Airflow, Docker) by integrating new sources of customer data into clinical development platform (Python, PostgreSQL) to enhance data analysis capabilities and improve data-driven decision-making during customer clinical trials.
- Implemented changes to database configurations (PostgreSQL, Zookeeper) and used Test-Driven Development (Python, Pytest) in order to increase software flexibility and efficiency.
- Converted data pipeline from Python 2 to Python 3 to maintain code compatibility after Python 2 end of life.

Data Scientist
Under Armour, San Francisco, CA 11/2018 - 06/2019
- Presented descriptive and inferential statistics (Python, RedShift), data visualizations (Python, Matplotlib, Google Geocoding API) and time series models (ARIMA, Holt-Winters) to stakeholders to increase the understanding of user behavior on the Map My Fitness smartphone application.
- Designed supervised machine learning models that identified mislabeled workout activities and recommended corrections in real-time and unsupervised models to identify popular workout locations (Python, Scikit-learn).

PROJECTS

The Simpsons Meets Data Visualization https://bit.ly/2ONPwUi
- Transformed television show scripts into data visualizations (Python, Matplotlib, Plotly, Seaborn, Altair) and wrote an associated blog post that was especially well-received, gaining over 50,000 views on Medium. May 2019.

PATENTS AND PUBLICATIONS

- Kovach G, **Reevesman A**, Chang MT, Mazzoleni M, Allen J. Systems and Methods for Determining the Quality of Geolocation Data. Patent published May 2020.
- Lian X, Melancon S, Presta JR, **Reevesman A**, Spiering BJ, Woodbridge DM. Leveraging Distributed Computing Systems for Prediction and Analysis of San Francisco Fire Department Response Times. Presented at IEEE International Conference on Ubiquitous Intelligence and Computing, Leicester, UK, August 2019.

EDUCATION

University of San Francisco	M.S. in Data Science, 2019
University of California, Santa Barbara	B.S. in Mathematics, Statistics Minor (High Honors), 2018