James Winslow

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-------------------------------- PROFESSIONAL EXPERIENCE --------------------------------

Data Scientist, Arisant | 04/2022 - 07/2023
As a Data Scientist at Arisant, I developed data science solutions and engineered data pipelines to enhance business operations and analytics for private businesses and clients.

- Developed AI-LM pipelines and reporting infrastructure to enhance business operations. Managed databases with SQL and cloud platforms(Azure & Oracle), reducing data processing errors by 15%.
- Consulted with clients to understand their reporting needs and ensure compliance with government regulations for oil drilling operations. Engineered custom data pipelines from raw data to interactive dashboards, increasing reporting accuracy by 33% for the US Department of the Interior.
- Boosted retention by 8% through machine learning models for customer churn prediction using TensorFlow and scikit-learn. Enhanced decision-making with dynamic dashboards and automated reports.

Data Scientist, University of Colorado School of Medicine | 11/2020 - 12/2021
At the University of Colorado School of Medicine, I focused on developing and implementing machine learning models to improve healthcare outcomes.

- Grew user base by 25% by designing and launching an R Shiny app to assess surgical risk. Doubled active users by adding predictive features and usability improvements using R and Python.
- Reduced errors in the risk prediction model by 15% with statistical analysis techniques. Automated data cleaning and preprocessing workflows using Python, improving data readiness for analysis.
- Developed and deployed machine learning models to predict surgical outcomes, enhancing the accuracy of risk assessments. Collaborated with a multidisciplinary team to integrate machine learning insights into clinical decision-making processes.

Statistician, VA Eastern Colorado Health Care System | 03/2019 - 05/2020
As a Statistician at VA Eastern Colorado Health Care System, I supported clinical research through data analysis and statistical modeling.

- Increased active studies by 20% through analysis of longitudinal and survival data using SAS/R/Python. Developed analytic plans and reports for physicians in various specialties.
- Collected and cleaned data from multiple sources using SQL and Python/R. Designed and implemented statistical models to identify key health trends, improving patient care strategies.
- Conducted hypothesis testing and survival analysis to support clinical research, contributing to evidence-based medical practices.

-------------------------------------- EDUCATION --------------------------------------

MPH in Biostatistics
University of Colorado Denver | Aurora, CO

BS in Mathematics
Gonzaga University | Spokane, WA

BA in Biology
Gonzaga University | Spokane, WA

------------------------------------ TECHNICAL SKILLS ------------------------------------

Python (Sci-kit-Learn, Pandas, Seaborn) | R | SQL | Java | SAS | Data engineering | Data collection | Azure | AWS | Data exploration | Statistical analysis | Linear/nonlinear regression | Bayesian statistics | Anomaly detection | Algorithm design | Model development | Machine learning techniques | Visualization techniques | Business insights | Debugging techniques | Customer feedback | Collaboration | Data mining | ETL (Extract, Transform, Load) processes | Relational databases | Quantitative analysis techniques (Clustering, Regression, Pattern Recognition, Descriptive and Inferential Statistics) | Large Language Models (LLM) | Financial data analysis | Prompt engineering