

# James Winslow

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## PROFESSIONAL EXPERIENCE

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### **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.

### **Biostatistician, 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