James Morrissey

San Diego, CA

Work Experience

Data Scientist

Booz Allen Hamilton (BAH) - San Diego, CA
December 2019 to Present

· As a data scientist at a world-recognized consulting firm, I specialize in using modern software and analytical methods on enterprise datasets to produce actionable insights that are deployed in a cloud environment: making these insights accessible across an organization.
· Leveraged self-built automated data pipelines and cloud-based databases to create a web app that presented on-demand analytical results from over 6 million records.
· Combined natural language processing (NLP) methods, external datasets, and domain knowledge to design categories and then bin unstructured free text entries into those categories. The product was able to bin over 5 times as many entries into more rigorously defined categories, when compared to the original tool.
· Multiple projects mentioned by name at DON IT East Conference.
Predictive Modeling and Advanced Analytics
· Contributed to the design, maintenance, and validation of an ensemble machine learning model with outputs that described the likelihood of an event occurring based on historical data.
· Ingested large amounts of cumbersome event-based data that was transformed and then aggregated into a format conducive to numerical analysis: while retaining all relevant meta-data.
Data Pipelines
· Led cross-team initiative to modernize the data flow into a cloud-based analytics app, leading to improved data integrity, intake efficiency, and security.
· Used Power Apps/Power Automate to securely intake sensitive data and automatically validate its integrity.
· Automated manual data cleaning processes in Excel using Python scripts, freeing up time and resources for more advanced analytic opportunities.
Data Governance
· Performed admin duties for Tableau Server, SharePoint, and Power Apps to ensure access to quality data for intended users while maintaining secure control over permission groups.
· Worked with other organizational units to include their datasets in a data lake and automate the intake processes to the extent that security policies allowed.

Education

BS in Physics

University of Virginia - Charlottesville, VA
May 2019

Skills

- Data Science
- Data Mining
- Predictive Analytics
- Applied Statistics
- Data Visualization
- Machine Learning
- Project Management
- Business Intelligence
- Natural Language Processing
- Numerical Analysis
- Leadership
- Data Engineering
- Python
- Tableau/Tableau Server
- SQL
- JupyterHub
- Git/GitHub
- Power Automate
- Qlik Sense
- Microsoft Excel
- Jira
- Data analytics

Assessments

Analyzing data — Expert

September 2019

Interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data.
Full results: Expert