

# SHAWN BERNARD

DATA SCIENTIST

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## PROFESSIONAL OVERVIEW

Data scientist with a proven track record of transforming complex, high-volume data into actionable insights that drive business decisions. Experienced in healthcare supply chains and digital advertising, combining statistical rigor with concise storytelling. Skilled in developing analytical approaches and machine learning models that address real-world business challenges and deliver measurable impact.

## WORK EXPERIENCE

### Health Data Scientist – Supply Chain Analytics

Booz Allen Hamilton, Remote | Aug. 2024 - Present

- Develop and maintain end-to-end data pipelines with SQL views, Python transformations, and Streamlit applications, automating recurring analyses and facilitating self-service data pulls for non-technical stakeholders.
- Implement classification modeling to identify high-risk medical device manufacturers in the path of an incoming hurricane, harnessing geospatial and climate data to inform supply chain risk mitigation.
- Leverage generative AI and NLP techniques to standardize company names in proprietary databases, enabling robust aggregation and downstream analysis.
- Deliver presentations of analytical findings to clients and internal team members, translating technical results into actionable business insights.
- Author technical writing on AI implementation strategies for consulting proposals, articulating complex concepts into precise, client-ready materials to elevate proposal rigor.

### Data Scientist – Pharmaceutical Advertising

Solve(d), New York, NY | Aug. 2022 – Aug. 2024

- Promoted from Junior Data Scientist within one year for delivering high-impact data science solutions that improved client outcomes and operational efficiency.
- Applied probabilistic classification techniques using clinical metrics to predict patients' need for medical procedures, identifying a high-risk subset for effective targeted advertising campaigns.
- Engineered a clustering algorithm to segment healthcare providers based on media usage patterns, generating targeted advertising channel recommendations and improving client outreach effectiveness by 30%.
- Designed ETL pipelines to integrate new data into proprietary databases, ensuring seamless updates and maintaining data integrity.

## EDUCATION

### M.S. Biostats and Data Science

Cornell University

2021 – 2022

New York, NY

GPA: 3.98

### B.S. Biology

Lehigh University

2017 – 2021

Bethlehem, PA

GPA: 3.67

## TECHNICAL SKILLS

**Languages:** Python, SQL, R

**ML/Stats Libraries:** scikit-learn, XGBoost, statsmodels, SciPy

**Data Tools:** Pandas, NumPy, Databricks, Tidyverse, Streamlit

**Cloud & Infrastructure:** AWS, Git

**Project Management:** Agile, Jira

## CERTIFICATIONS

### AWS Cloud Practitioner

Issued 2025, Expires 2028

### ICAgile Professional (ICP)

Issued 2024