

AMY A. SCOTT

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PROFESSIONAL SUMMARY

Data analytics and data science professional with 10+ years of experience transforming complex datasets into actionable insights, forecasting models, analytical products, and executive decision-support solutions. Strong experience with SQL, Python, Power BI, Tableau, Databricks, and relational databases, including data transformation, analysis, visualization, and reusable reporting solutions. Experienced in forecasting, pricing analytics, performance modeling, and data quality analysis, with a proven ability to translate complex analytical findings into clear recommendations for technical and non-technical stakeholders. Experienced using Microsoft Copilot and AI-assisted tools to accelerate development while validating and correcting AI-generated outputs.

TECHNICAL SKILLS

Analytics & Programming: Python (Pandas, NumPy, Matplotlib, Plotly) • SQL • R • Forecasting • Predictive Analytics • Statistical Analysis • Data Modeling

BI & Visualization: Power BI • Tableau • DAX • M Code • Executive Dashboards • KPI Development • Data Storytelling

Data Platforms: Databricks • Snowflake • Microsoft Fabric • Azure • AWS • Oracle • MySQL • Hadoop • Hive

AI & Automation: Microsoft Copilot • Claude • Codex • AI-Assisted Development • Power Automate • Workflow Automation

PROFESSIONAL EXPERIENCE

RAYTHEON TECHNOLOGIES / RTX

Manager, Cybersecurity & Risk Leadership | 07/2025 – 09/2026

- Design and develop Power BI analytics products tracking SAP onboarding, operational KPIs, and stakeholder-specific metrics across multiple teams.
- Develop advanced SQL queries, calculations, and analytical metrics to transform complex datasets into reusable reporting and decision-support solutions.
- Investigate data discrepancies, identify root causes, and implement solutions that improve data quality, analytical accuracy, and system performance.
- Partner with technical teams to optimize database structures for scalability and increased enterprise data volumes.

- Use Microsoft Copilot and AI-assisted tools to accelerate analytical and stakeholder deliverables by approximately 3x, while validating outputs, identifying inaccurate results, and correcting them before delivery.
- Translate complex analytical findings into clear recommendations for technical and non-technical stakeholders.

BOOZ ALLEN HAMILTON

Senior Lead Scientist / Lead Associate – Data Scientist / Project Manager | 01/2024 – 06/2025

- Developed 10+ dynamic Power BI dashboards and analytical products, integrating real-time data across six work-streams for operational and executive decision-making.
- Led a cross-functional team of 8 across data visualization, analytics, and adoption strategy to deliver complex analytical solutions.
- Used SQL, Python, Excel, and Power BI to transform, structure, analyze, and visualize large datasets.
- Developed capacity and forecasting calculations using Excel and Power BI models to support resource planning and business decisions.
- Created performance metrics and analytical logic that improved consistency, accuracy, and usability of business reporting.
- Built Power Automate workflows integrating Microsoft Planner and Power BI to automate tracking and reporting.
- Implemented data-suppression and sensitive-data logic within analytical metric tables to improve data integrity and usability.

COLLINS AEROSPACE / RTX

Data Visualization & Analytics Specialist | 04/2022 – 01/2024

- Built executive-facing Tableau dashboards used for data-driven decisions, saving 50+ hours per month through automated and self-service reporting.
- Developed relational database architecture supporting quality metrics, historical analysis, and reusable reporting structures.
- Used Python and SQL to transform datasets and perform custom analytics for complex operational questions.
- Deployed Django applications into an Azure environment, integrating analytical solutions with enterprise technology infrastructure.
- Developed self-service analytics enabling stakeholders to identify quality issues, missing audits, and operational trends at business-unit and site levels.
- Designed a custom data-suppression mechanism for an at-risk dashboard, improving analytical accuracy and stakeholder confidence.
- Partnered with business teams to translate analytical requirements into scalable data and visualization solutions.

LUMEN TECHNOLOGIES

Business Intelligence Analyst / Project Manager | 12/2019 – 04/2022

- Developed forecasting models and pricing analytics to identify profit gaps, improve billing analysis, and support business planning.
- Created end-to-end analytics solutions using Oracle and MySQL SQL queries, data transformation, and Power BI/Tableau visualization.
- Designed BI dashboards for executive and finance teams, translating complex datasets into actionable business insights.
- Analyzed large relational datasets to identify trends, performance gaps, revenue opportunities, and operational issues.
- Built automated reporting systems that improved revenue tracking and executive decision-making.
- Managed Agile analytics projects including Voice to Customer and Quote to Cash workflows, collaborating with technical and business stakeholders.

ADDITIONAL EXPERIENCE

Aquatics Manager — Life Time Athletic Club, Flatirons | 11/2017 – 08/2018

Conducted P&L analysis and A/B testing; managed department budgeting and supervised 45 employees.

Teacher's Aide — The Goddard School | 08/2018 – 12/2019

EDUCATION

B.S., Sport & Exercise Science — University of Northern Colorado

Data Science Intensive Bootcamp — Thankful Online

CERTIFICATIONS

Project Management Professional (PMP) — Project Management Institute

Tableau Developer — Udemy | Database Administration — Udemy

Power BI — Udemy | MySQL — Udemy