

Daniel Short

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DATA SCIENTIST | MACHINE LEARNING

Data scientist with 3 years of experience translating ML insights into over 500% KPI gains for tourism, retail and industrial clients. Expert in Python (PyTorch, scikit-learn), SQL, and Gen-AI (LLMs, RAG). Known for automating data pipelines that save 200+ hours per year and presenting findings to C-level audiences.

TECHNICAL SKILLS

- **Generative AI (Gen AI)** - Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), Low-Rank Adaptation (LoRA) fine-tuning, Embeddings, Transformers
- **Deep-Learning** - Autoencoders, Variational Autoencoders (VAEs), Convolution Neural Networks (CNNs), Recurrent Neural Networks (RNNs), Reinforcement Learning (RL)
- **Python** - PyTorch, TensorFlow, scikit-learn (Decision Trees, Random Forests), Pandas, NumPy
- **SQL** - PostgreSQL, MSSQL, SQLite; Views, Stored Procedures (SPs), Common Table Expressions (CTEs)

WORK EXPERIENCE

Business Analyst Visit Grand Junction	February 2024 – Present Grand Junction, CO
<ul style="list-style-type: none">• Automate weekly reporting in Python, cutting turnaround time by 99%, saving 200+ hours per year.• Deploy an NLP link-repair model that lifted site traffic 750% and engagement 56%.• Drive 565% jump in page-views and 122% more sessions by embedding ML insights in campaigns.	
AI Data Quality Analyst Randall Reilly	November 2023 – January 2024 Remote
<ul style="list-style-type: none">• Re-platformed R workflows to a one-click Python app, trimming processing time 95%.• Built decision-tree models that expanded serial-number tracking by over 10x while flagging anomalies with 98% precision.• Developed an autoencoder model using PyTorch, improving data quality through error detection.	
Asset Protection Data Analyst Target	June 2022 – November 2023 Montrose, CO
<ul style="list-style-type: none">• Designed enterprise dashboards adopted company-wide, surfacing trends that raised theft reports 57.6%.• Analytics-driven initiatives increased theft prevention by 180%, and inventory loss by 24%.• Presented technical information to non-technical audiences, translating analytics into operational action.	

EDUCATION & CERTIFICATIONS

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| • M.S. Data Science , Eastern University - GPA: 4.0/4.0 | May 2025 |
| • B.S. Data Analytics , Purdue University Global - GPA: 3.6/4.0 | May 2023 |

[IBM Data Analyst](#), [IBM Machine Learning](#), [Google Analytics](#), [Google Data Analytics](#), [Google Advanced Data Analytics](#)

PROJECTS

- **Sheet Music Watermark Removal** - Implemented an ML pipeline to remove watermarks and upscale sheet music.
- **Synthetic Digit Generator** - Developed a VAE to learn and generate latent representations of MNIST digit images.
- **Nonogram Solver** - Created a reinforcement learning model to solve Nonogram games (94% solve rate).
- **Chatbot (LoRA + RAG)** - Fine-tuned Mistral model with LoRA and a FAISS-backed RAG stack to deliver source-cited answers via a Gradio UI, providing the brand voice and information to the consumer.