Daniel Short

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WORK EXPERIENCE

Business Analyst   **February 2024 – Present**
Visit Grand Junction   Grand Junction, CO
- Automated repetitive tasks using Python, reducing task time by 99% and saving over 200 hours annually.
- Spearheaded a machine learning initiative to automate website link repairs using NLP, increasing traffic by 750%.
- Developed a custom neural network in PyTorch for precise financial forecasting, improving budget forecast accuracy.

AI Data Quality Analyst   **November 2023 – January 2024**
Randall Reilly   Remote
- Transitioned workflows from R to Python, deploying a one-click solution that reduced process times by over 95%.
- Pioneered the integration of AI and machine learning, expanding serial number tracking by over 1000%.
- Created an autoencoder model using PyTorch, significantly improving error detection and operational efficiency.

Asset Protection Data Analyst   **June 2022 – November 2023**
Target   Montrose, CO
- Designed and implemented effective custom Greenfield BI dashboards with company-wide adoption
- Through trend analysis insights, increased theft reports by 57.6%, theft prevention by 180%, and shortage by 24%.
- Communicated technical information to a diverse audience through presentations

EDUCATION

Eastern University   **(Projected) May 2025**
Master of Science in Data Science
- Natural Language Processing, Applied Machine Learning, Foundations of Machine Learning Models

Purdue University Global   **May 2023**
[Bachelor of Science in Data Analytics](#) - GPA: 3.58/4
- Artificial Intelligence, Reporting and Visualization, Advanced Database Concepts
- **Awards:** President's List, Chancellor's List, Presidential Scholarship, Rachel Lafferty Mathematics Endowment

CERTIFICATIONS

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

TECHNICAL SKILLS

- Machine Learning (Autoencoders, VAEs, CNNs, RNNs, Transformers, Reinforcement Learning, Embeddings)
- SQL (Views, Stored Procedures, CTE)
- Python (PyTorch, Pandas, NumPy)
- Excel (Power Pivot, Power Query, VLOOKUP)
- Tableau, PowerBI

PROJECTS

- [Sheet Music Watermark Removal](#) - Implemented an ML pipeline to remove watermarks and upscale sheet music.
- [Variational Autoencoder](#) – Developed a VAE to learn and analyze latent representations of MNIST digit images.
- [Nonogram Solver](#) – Created a reinforcement learning model to solve Nonogram puzzles.