**Daniel Short**

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**WORK EXPERIENCE**

**Business Analyst February 2024 – Present**

Visit Grand JunctionGrand 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**

RandallReillyRemote

* 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**

TargetMontrose, 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 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](https://www.credential.net/0f4df6f1-112e-4e4e-8cb1-b97e7ecd3a3b) - 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](https://www.coursera.org/account/accomplishments/specialization/certificate/CYUMPN7ZQRDA), [IBM Machine Learning](https://www.coursera.org/account/accomplishments/specialization/certificate/7262X6HH5NF2)
* [Google Data Analytics](https://www.coursera.org/account/accomplishments/specialization/certificate/N6MNKYE4MKEP), [Google Advanced Data Analytics](https://www.coursera.org/account/accomplishments/specialization/certificate/K47AGB33F8VS)

**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](https://www.danielshort.me/projects.html#project10-modal) - Implemented an ML pipeline to remove watermarks and upscale sheet music.
* [Variational Autoencoder](https://danielshort.me/projects.html#project9-modal) – Developed a VAE to learn and analyze latent representations of MNIST digit images.
* [Nonogram Solver](https://danielshort.me/projects.html#project4-modal) – Created a reinforcement learning model to solve Nonogram puzzles.