Zack Strathe

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SUMMARY

Driven and principled professional with over five years of experience as an analyst in accounting roles. Recent graduate with a master's degree in Data Analytics, with a strong interest in utilizing machine learning & artificial intelligence to solve problems and develop actionable insights.

EXPERIENCE

Accounting Analyst II **Crestwood Midstream Partners LP** **April 2018 – January 2021**

- Cleaned, analyzed, and aggregated accounting transaction data to produce monthly preliminary forecasts and financial reconciliation statements to support bulk NGL production and trading
- Orchestrated settlements for complex multi-modal transactions by standardizing data and developing detailed tracking of NGL transactions from multiple sources
- Developed Python script to automate expense entry into ERP system

Accounting Analyst I **Crestwood Midstream Partners LP** **August 2015 – April 2018**

- Collaborated with traders and logistics coordinators to oversee daily contract allocations and billing for LPG commodities trading, and analyzed accounting transaction data to detect and resolve discrepancies

SKILLS

Programming Languages: Python, SQL, R

Tools: Pandas, PySpark, MLlib, OpenCV, NLTK, Numpy, Scikit-learn, TensorFlow, PyTorch, Tableau, Alteryx, Matplotlib, Git

EDUCATION

M.S. Data Analytics **Kansas State University**

- GPA: 4.0
- Relevant Coursework: Programming for Data Science, Artificial Intelligence, Machine Learning, IT Strategy, Statistics, Applied Marketing Analytics, Data Mining, Econometrics

B.S. Finance **Kansas State University**

PROJECTS

Image Feature Extraction & Classification (2021): Evaluated feature extraction methods and performance of classification algorithms with a data set of satellite images, implemented 10-fold cross validation with a paired t-test to validate evaluation results, and deployed on a Spark cluster with AWS. Python, PySpark, MLlib, OpenCV, Numpy, GCP, AWS

Deep Reinforcement Learning (2021): Evaluated methods of improving a Proximal Policy Optimization model with modifications to the state-space, the action-space, and the reward function for a game-playing agent. Python, OpenAI Gym Retro, OpenAI Baselines, TensorFlow, GCP

Deep Learning Text Generation (2022): Trained and evaluated unconditional text generation natural language models for generating song lyrics. Python, PyTorch

Statistical Analysis of Home Pricing (2022): Conducted statistical analysis of home pricing and evaluated a linear model versus a more-complex generalized additive model. R, ggplot2

CERTIFICATIONS

CompTIA Cloud Essentials+ (issued 12/2021)