

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 application 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, Tableau, Matplotlib, Alteryx, Git, PostgreSQL

EDUCATION

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

- GPA: 4.0
- 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 dataset 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

Agglomerative Clustering (2022): Implemented agglomerative clustering function with options for Euclidean and Manhattan total-linkage distance | Python, Numpy

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

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](#))