




KYLE KING

SENIOR DATA SCIENTIST

CONTACT

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Allentown, PA 

[LinkedIn](#) 

[Github](#) 

EDUCATION

Master of Computational
Data Science
Carnegie Mellon University
2014 - 2017
Pittsburgh, PA

Bachelor of Science
Applied Mathematics
Carnegie Mellon University
2010 - 2014
Pittsburgh, PA

SKILLS

Python
Pandas
Scikit-learn
Hadoop
MySQL
Apache Airflow
AWS
SAS
Git
NLTK

WORK EXPERIENCE

Senior Data Scientist

Air Products and Chemicals, Inc.

2020 - current / Allentown, PA

- Built and optimized natural language processing models using Scikit-learn, achieving a 27% improvement in sentiment analysis accuracy.
- Created data analysis pipelines using Pandas, shrinking manual effort and enabling the team to process 4 times more data.
- Analyzed sensor data to predict equipment failures through Hadoop-based solutions, contributing to a **\$9,326 cut down in maintenance costs**.
- Implemented disaster recovery solutions on AWS, recording a recovery time objective (RTO) of less than 1.3 hours and ensuring business continuity.

Junior Data Scientist

AmerisourceBergen

2018 - 2020 / Chesterbrook, PA

- Led predictive analytics on sales data using Python, discovering market trends that led to a 28% uplift in sales revenue.
- Employed sentiment analysis models using NLTK on customer feedback data with a **94% accuracy rate in sentiment classification**.
- Conducted root cause analysis on product returns data to find defects, leading to an 11% reduction in return rates.
- Developed MySQL triggers for real-time data validation, slashing data entry errors by 56% and maintaining compliance with regulatory standards.

Data Entry Clerk

DICK'S Sporting Goods

2016 - 2018 / Pittsburgh, PA

- Integrated Apache Airflow DAGs to automate data validation routines, resulting in a **37% downtick in error rates across 146,580+ product entries**.
- Updated SAS databases with the latest product information, completing an average of 23 updates every week with accuracy.
- Resolved 62 data discrepancies using Git diff tools, ensuring data consistency in compliance with regulatory standards.
- Managed inventory data entry by updating product information, contributing to a 44% decline in stock discrepancies.