Flomo Kokro, Data Scientist, Trenton, NJ
Technical Skills
Python, SQL, TensorFlow, Matplotlib, Seaborn, Machine Learning, Algorithms, Pyspark, Spark, AWS, Airflow, Unix, GitBash, Excel, Linear Regression (Machine Learning), Data Wrangling, ETL Process, Datalake, Dashboard Visualization, S3 Bins

Professional Experience
Senior Associate | Pfizer | August 2023 – February 2024
- Enhanced legacy ETL pipeline leveraging Dataiku by creating more efficient, transparent ETL pipelines and data feeds.
- Developed K-Means Clustering machine learning algorithm to project best marketing avenues for product launch campaigns, resulting in higher silhouette coefficient than previous deployment.
- Enhanced applications visuals leveraging Python, Matplotlib, Seaborn, Plotly/Dash to visualize choropleth geomaps, bar charts, and pie graphs for reporting and analysis purposes.
- Collaborated with cross-functional teams to understand business requirements and identify opportunities for data-driven solutions.

Senior Data Scientist/Data Analyst | Bloomberg | September 2020 – August 2023
- Cross-sectional analysis on alternative datasets linking to fundamental and earnings data for data/machine modeling, and statistical analysis.
- Developed XGBoost machine learning algorithm for forecasting quarter over quarter revenue change for a subsection of pharmaceutical companies, resulting in an overall lower MSE, MAE, and model percentage error scores than baseline mean consensus.
- Aided in building a proof-of-concept recommendation system for support tasks leveraging Python and TensorFlow library.
- Researched and developed regression/classification models using neural networks which predicted quarter over quarter revenue change for alternative data utilizing TensorFlow.
- Developed and maintained ETL pipelines for pharmaceutical data suite.
- Enhanced weekly data ingestion pipeline by reducing ingestion time from hours to minutes leveraging SQL, Datalake and Python.
- Responsible for onboarding client data for all Bloomberg Businesses.
- Created data pipelines for data acquisitions, transformations loading and storage using Bloomberg's proprietary technology, Python and SQL.
- Create dashboards within the terminal to display aggregated data for investment research.
- Created more complex data outputs using the listed technologies to compute computations, SQL and Python.
- Aggregated raw data for algorithm ingestion and data exploration, engineered features and targets and studied machine learning algorithms for future application.
- Support metadata management, ontology and data governance leveraging best practices.
- Created client samples and conducted coverage checks for fix-income products, liquidity risk assessment.
- Leveraging ETL pipelines which included AWS - S3 bins, Pyspark and Spark.
- Created automated coverage checks tools using Python and internal data pipelines on financial securities for the probability of default risk product.
- Leverage Market Basket Analysis to define product association for marketing purposes for our ESG products.

Data Analyst/ Research Assistant | Educational Testing Center | December 2018 – May 2020
- Improved quality in Research and Development by continuing to provide cost-effective and flawless support of all assessments by conducting cognitive laboratory sessions.
- Data wrangling – Created ETL process on large scale data for statistical modeling.
- Conducted quantitative/qualitative research to provide insight into educational assessment, identify areas of process improvement, assess student interaction with Testlet builds and added items, and student response coding and scoring.
- Provided statistical analysis and programming support to an NSF funded research project by calculating, interrupting, and reporting Interrater Reliability Scores using SPSS.

Education & Certifications
- Master's Degree, Applied Mathematics | California State University | 2017
- Bachelor's Degree, Applied Mathematics | Rutgers University | 2014
- SQL Certified | Current