

LARS OSTERVOLD

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SUMMARY

Highly accomplished Data Scientist with 5+ years of experience, specializing in AI/ML solutions. Proven ability to lead data analytics projects, leveraging expertise in Python, SQL, and advanced statistical modeling to extract actionable insights and drive impactful business outcomes. Eager to excel as a Data Scientist III at Walmart.

TECHNICAL SKILLS

Programming & Scripting: Python (6+ years), SQL, R, Bash, JavaScript (Node.js, TypeScript), Linux

Machine Learning & Statistical Modeling: Regression, Classification, Clustering, Ensemble Learning, Neural Networks (CNNs, RNNs), Time Series Analysis, Feature Engineering, Model Training/Tuning/Deployment, EDA

Data Science & Engineering: Pandas, NumPy, SciPy, scikit-learn, Keras, TensorFlow, PyTorch, ETL, Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), Algorithm Optimization, Root Cause Analysis, Business Context & Tech Problem Formulation

Data Visualization & Reporting: Tableau, Streamlit, R Shiny, Dashboard Development

Cloud & DevOps: GCP, Azure, AWS, Docker, CI/CD pipelines, Cloud Data Services

TECHNICAL EXPERIENCE

Senior Data Scientist | The Dow Chemical Company | April 2023–Present

- Spearheaded the development and deployment of deep learning models (TensorFlow, PyTorch) for molecule discovery, reducing search time by 87%.
- Built and productionized AI-powered compliance chatbots (Python, Streamlit, OpenAI APIs), improving data quality.
- Designed and deployed a machine learning-driven customer web app (R Shiny, Python) with backend services deployed via Docker on Azure, supporting 400+ users.

Chief Technology Officer | LION Software | May 2024–March 2025

- Spearheaded the technical strategy and architecture of a data visualization and analytics platform, ensuring high performance and reliability.

PROJECTS

Retail Analytics Dashboard ([Repo](#), [Dashboard](#))

- Engineered an interactive retail analytics dashboard using Python, leveraging open-source data to analyze customer behavior and sales trends.
- Developed predictive models using XGBoost and neural networks to forecast sales trends.

Baptized Technology ([Repo](#), [Website](#))

- Architected and deployed a scalable, production-level full-stack AI chatbot platform (Next.js frontend, Python backend) with a Retrieval-Augmented Generation (RAG) stack.

EDUCATION

Ph.D., Chemical Engineering (with focus on Machine Learning & Computational Modeling) | The Pennsylvania State University | 2023, GPA: 4.00

Continued Education : Machine Learning Certification (Coursera, 2025), Deep Learning Certification (Coursera, 2025), Data Structures and Algorithms Certification (Coursera, 2025)