

Summary

AI Engineer and Machine Learning Researcher with experience designing, building, and deploying models that extract actionable insights from large-scale, complex datasets. Proven ability to lead cross-functional teams, deliver production-ready ML systems, and drive business impact through data-driven solutions. Passionate about solving high-impact problems with creative, collaborative engineering.

Experience

AI & Data Science Consultant

Toro AI

March 2024 – Present

- Translate business pain points into machine learning solutions by designing and deploying tailored AI architectures that optimize operational efficiency.
- Designed a knowledge graph using NLP, RAG, and graph-based methods, improving data accuracy and minimizing manual input.
- Built a business intelligence platform to support experiment tracking and iterative reporting.
- Centralized fragmented datasets into a unified knowledge base to inform executive decision-making.

ML Engineer / Data Scientist - Cyber

SilverSky

May 2022 – July 2023

- Created custom loss functions and anomaly detection models for behavioral analytics on network data.
- Led R&D for cyber threat detection; deployed ML systems to detect phishing and adversarial behavior.
- Built a scalable federated learning system for decentralized threat intelligence sharing.
- Engineered high-throughput pipelines to support 100x increase in client data volume.
- Refactored ML systems into modular, reusable components for long-term maintainability.

Cloud Engineer

HCL Technologies

Oct 2021 – Apr 2022

- Migrated legacy monoliths into cloud-native services within Google Cloud.
- Contributed to GCP adoption strategies improving system scalability and business agility.

Data Scientist

Prismatik

May 2021 – Sep 2021

- Modeled user behavior using product interaction data to inform UX and conversion strategies.
- Collaborated with PMs and engineers on A/B testing and iterative feature releases.

Education

B.S. Business and Economic Analytics

Spring 2020

Boise State University

AWS Certified MLE - Associate

In Progress

Amazon Web Services

Technical Skills

Languages: Python (8 yrs), Java (2 yrs), Swift (1 yr)

Data & Storage: Redis, Kafka (KTable, KStream), SQL (Postgres, MySQL), MongoDB

Cloud Platforms: AWS, GCP, Docker, Kubernetes, DigitalOcean

Libraries/Frameworks: NumPy, Pandas, SciPy, scikit-learn, TensorFlow, Librosa, Faust, Pytest, Unittest