

MACHINE LEARNING

Senior Machine Learning Engineer

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Summary

Machine Learning (ML) Engineer and Team Leader with 9+ years of experience in managing machine learning lifecycles end-to-end in manufacturing and healthcare. Currently, overseeing the work of 3 ML and AI professionals to constantly find ground for improvement of both supervised and unsupervised learning algorithms - providing 150+ sustainable solutions. Apt at developing, building, and maintaining both ETL and ML pipelines to increase data accuracy and predictability by a 45% AVG. Perfectionist, always open to collaborate with data science and industry professionals to look outside current frameworks and discover 1k+ more working solutions for each individual problem.

Experience

LexisNexis Risk Solutions

Alpharetta GA

Senior Machine Learning Engineer

01/2018 - Present

- Resolved complex CUDA code issues, increasing the stability of machine learning applications and reducing incidents of system crashes by 83%
- Headed a Docker-based system for real-time data processing, which handled 2TB of data daily, boosting processing speed by 22%
- Oversaw the automation of backlog grooming and sprint planning processes in Jira, saving 56 hours every month
- Designed a distributed machine learning framework on HPC clusters, reducing model training time from 14 hours to 7 hours for large-scale risk assessment models

Equifax

Atlanta

Machine Learning Engineer

01/2016 - 01/2018

- Led a team of 11 to optimize Hive data structures, which decreased query latency by 34% and significantly improved the performance of real-time analytics
- Introduced SSL certificate transparency logging, allowing real-time detection of unauthorized certificates and reducing the incidence of spoofing by 96%
- Proposed a predictive maintenance model for internal IT infrastructure, saving \$23,517 in annual operational costs
- Implemented a Kubernetes resource quota management system that cut down the cost of cloud resources by 42%

Honeywell

Atlanta

Junior Machine Learning Engineer

01/2014 - 01/2016

- Automated the extraction, transformation, and loading (ETL) process using Apache Hadoop, boosting weekly data updates by 52% for Honeywell's smart grid analytics platform
- Developed a user preference prediction model, which improved personalized user experiences by 27.4% as per user engagement metrics
- Assisted in creating a Flask application logging system that centralizes logs from multiple services, allowing for quicker debugging and reducing downtime by 18%
- Built a demand forecasting application in Spark, lowering overstock costs by \$1632 and improving stock-out rates for Honeywell's distribution centers

Skills

Apache • Apache Hadoop • Cuda • Data Structures • Debugging • Docker • ETL • flask • Hadoop • Hive • HPC • JIRA • Kubernetes • lexisnexis • Machine Learning • Risk Assessment • Spark • Sprint Planning

Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

01/2013