

MACHINE LEARNING

Senior Machine Learning Engineer

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🔗 LinkedIn/Portfolio

📍 Alpharetta

EXPERIENCE

Senior Machine Learning Engineer

LexisNexis Risk Solutions

📅 01/2018 - Present 📍 Alpharetta GA

- 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

Machine Learning Engineer

Equifax

📅 01/2016 - 01/2018 📍 Atlanta

- 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%

Junior Machine Learning Engineer

Honeywell

📅 01/2014 - 01/2016 📍 Atlanta

- 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

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.

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

Bachelor of Science in Computer Science

Georgia Institute of Technology

📅 01/2013