Senior Data Scientist / Data Engineer, Drive Systems

Location:Sparks, US

Job Type: Full-time

Job ID: 185947

REFERAPPLY

Roles

The Drive Systems team is looking for an exceptionally talented and self-directed data scientist/data engineer to manage a large scope of data improvement projects across our production processes, validation tests, and field reliability failures. This role requires a well-rounded individual who can build, scale, and maintain data pipelines and warehousing systems and also analyze data to evaluate process health, sleuth problem areas, and drive and quantify improvements. The role will include creating and improving robust global databases and data quality standards, as well as developing scalable evaluation models and reporting systems. A strong candidate will be able to work with existing factory data and process engineering teams to build data solutions as well as drive focused investigations and improvement projects based on analysis of the data.

Responsibilities

·       Define data standards and storage requirements and collaborate with IT to design efficiently structured storage solutions across a range of applications and users

·       Work with factory operations and field reliability teams to identify useful data sets and quantitative metrics across a range of processes and use cases and build visualizations and investigation tools

·       Develop and improve automated reporting and monitoring systems for key performance metrics and statistical process control

·       Perform exploratory analysis, correlation studies, design experiments, and analyze results to drive investigations and improvement projects

·       Define data formatting and fidelity requirements with suppliers and internal users, build data pipelines for structured and unstructured quality and process data, and move/transform data into structured database formats in automated pipelines to enable real-time analysis

Requirements

·       Bachelor’s degree or higher in quantitative discipline (Statistics, Data Analytics, Computer Science, Applied Mathematics, Physics, Engineering) orthe equivalent in experience and evidence of exceptional ability

·       Minimum 4 years relevant working experience in analytical or quantitative roles

·       Proficiency in programming languages such as Python, R, SQL, C#, JavaScript, Golang

·       Proficiency in data visualization methods and tools such as Tableau, R Shiny, Dash, Plotly, etc.

·       Proficiency in software deployment/management tools such as Docker, Kubernetes, Kafka, Jenkins, GitHub

·       Strong working knowledge of relational and/or non-relational databases

·       Significant experience with real-world automation, high volume manufacturing, and process control

·       Strong working knowledge of physics and engineering principles, mathematics, and statistics

·       Exceptional organization and self-direction, collaboration skills, and ability to drive efficient execution across multiple projects and priorities