Schlumberger
Data Scientist

Job Description
Full time position in the areas of data-driven prognostics, data science, analytics, data mining, and machine learning.

Candidate Qualifications
- A graduate degree (Ph.D. preferred) in computer science, mechanical engineering, electrical engineering, or similar disciplines.
- Thesis or research experience in topics related to predictive analytics such as data mining, pattern recognition, image processing, data-driven prognostics, fault diagnostics, and machine learning.
- Strong background in the fundamentals of probability and statistics (e.g. probability/statistics course of 400 university level or above).
- Advanced working knowledge and experience with machine learning algorithms (e.g. decision tree, clustering, neural network, SVM, nearest neighbor), NLP is a plus.
- Experience in processing data from field or experiments is preferred.
- Advanced in prototyping algorithms with Matlab, Python, or R.

Responsibilities
- Technical leadership in the areas of prognostics and data science
- Leading projects across multiple segments of Schlumberger
- Coaching and mentor junior data scientist
- Communicating requirements, approach, and solution with segments
- Processing large multivariate data collected from equipment operations, manufacturing tests, and diagnostic routines.
- Developing diagnostic features based on engineering knowledge of failure mechanisms.
- Perform statistical feature selection and feature extraction.
- Applying engineering knowledge in developing data-driven algorithms for anomaly detection, failure prediction, and optimization.
- Collaborating in a team of field engineers and product engineers to identify key monitoring parameters of a system.