

Description

As a Process Data Engineer, you will be the team member focused on digitizing our customers' quality and process control data into the Eigen platform. You will be responsible for managing the data and performance of AI models deployed to customer production environments. This process will require being involved in the full-lifecycle of customer onboarding, helping define data dictionaries, definitions, analytics and metrics for performance, and standardizing the model performance between Eigen and the customer. You will be the primary person tasked with monitoring and managing the performance of Eigen algorithms and models operating in the field.

In this role, you will be part of the Customer Engineering and Delivery team. You will be required to interact regularly on customer calls, and present findings and recommendations for optimizing Eigen AI performance in the field.

Responsibilities

As a Process Data Engineer, you will have the following responsibilities:

- Work with customers to understand their manufacturing process and the data connected with their process.
- Define the dictionary of data to be captured and processed for a given customer install.
- Define the analytics and insights to be derived from the customer data.
- Define the data labeling dictionary and lexicon for anomalies and defects in the customers manufacturing process.
- Work with the Eigen software engineering and data science teams to optimize the inputs and outputs required to train an AI model with machine learning to be used for real-time detection in a customer's production environment.
- Use the Eigen data processing pipeline and tools (Jupyter, Python, etc.) to execute data analytics and derive insights from customer data.
- Monitor the performance of models deployed in customer applications.
- Work with the Eigen data processing pipeline, tools, and engineering team to tune and optimize the performance of models and algorithms deployed to customers.
- Analyze data from customer escalations and provide recommendations to improve model performance in deployed customer applications.
- Assist in root cause analysis where needed to respond to customer escalations.
- Recommend opportunities for process improvement and automation within the Eigen monitoring and data processing pipeline.

Ideal Candidate Requirements

- A post-secondary degree in engineering. (Candidates with a mathematics degree may be considered if they have industrial manufacturing experience.)
- Experience in industrial manufacturing, process control, quality assurance and quality control.
- Expertise in quality and process control methodologies such as Six Sigma and Statistical Process/Quality Control.
- Exposure and understanding of Information Technology, Artificial Intelligence/Machine Learning, and Industrial Automation.
- Exposure and understanding of Industry 4.0 and Internet of Things (IoT) technologies and solutions.
- Exposure and understanding of industrial manufacturing technologies and processes.
- Strong programming skills in python and/or R
- Database skills in relational databases and NoSQL data stores and experience in SQL and Jupyter Notebooks and familiarity with AWS.
- Strong communications, presentation, interpersonal, and relationship skills, and experience interacting with customers.

About Eigen

We help leading, global manufacturers realize massive savings and reduce waste from their processes through our industrial vision solution. Our dedicated team has not only built a truly scalable AI-enabled solution, we're actually taking industrial vision to the next level. If you are interested in working in a fast-paced environment and like being on the cutting edge of technology, drop us a line at careers@eigen.io.