Job:  Data Scientist - Data Analytics, Machine Learning and Statistical Modeling

Department: Data Science
Location: Pittsburgh, PA; Philadelphia, PA, or Sao Paulo, Brazil
Travel Involved: 10-25%
Job Type: Full Time

Description:
Braskem is in the process of building core competency in data science and machine learning. We are, therefore, looking for engineers and scientists that have formal education and/or substantial experience in data analytics, machine learning, computer information systems and related disciplines. These team members will be expected to apply data science concepts to increase the operating efficiency of our business including but not limited to commercial, industrial and research operations globally. Team members will be called upon to work closely with Braskem team members to understand the chemicals and polymers business and identify clear opportunities where data science may be applied. You will be challenged to be influential and make positive difference on a global scale, working in a team that is the center of excellence for the company on Data Science/AI/ML Applications and provide thought leadership not only for the team but also beyond.

Key Responsibilities Include:
- Apply analytics, artificial intelligence, machine learning, big data, IoT, and cloud technology to identify and execute on efficiency improvement opportunities within Braskem’s commercial, industrial and research operations globally.
- Collaborate with a multi-disciplinary team to translate data into profit using analytics by engaging with internal customers across the enterprise to ensure analytic solutions meet their needs and drive results.
- Ability to listen to business problems and collaborate with subject matter experts to fully understand the domain. Translate real business challenges into analytical terms, and use rigorous techniques to solve these problems across the business.
- Develop information tools, algorithms, dashboards, and queries to monitor and improve business performance. Maintain awareness of emerging analytics, AI and big-data technologies.

Requirements:
- Advanced degree (Master’s or PhD) in computer science, math, statistics, chemical engineering and/or materials science with strong knowledge and experience in data science including analytics and machine learning.
- 1-5 years experience in Data Analytics, Big Data and Machine Learning space, including PhD and postdoc.
- Ability to work in multi-disciplinary and international teams.
- Excellent communication (written and verbal) and interpersonal skills.

ABOUT BRASKEM
With a human-oriented global vision of the future, Braskem strives every day to improve people’s lives by creating sustainable solutions with chemicals and plastics. Braskem is the largest producer of thermoplastic resins in the Americas and the leading producer of biopolymers in the world, creating more environmental-friendly, intelligent and sustainable solutions through chemicals and plastics.
Braskem exports to clients in approximately 100 countries and operates 41 industrial units, which are located in Brazil, United States, Germany and Mexico, the latter in partnership with the Mexican company Idesa.

Braskem America is an indirect wholly owned subsidiary of Braskem S.A. headquartered in Philadelphia, PA. The company is the leading producer of polypropylene in the United States, with six production plants located in Texas, Pennsylvania and West Virginia, and an Innovation and Technology Center in Pittsburgh. For more information, visit www.braskem.com/usa. Or send resume to arlene.goetz@braskem.com.