Role Profile

External Role Title: Data Scientist

Reports To: Scientific Computing Manager

Position Location: Remote

Pay Grade:

Work Level:

Exemption Status: Non-Exempt

Summary:
Genus plc is a market leader in porcine, dairy, and beef genetics and is uniquely positioned as a global player with a dedicated, multi-species research and development function and an international distribution network. Food consumption is expected to rise by 60% in the next 20 years. Our challenge is to affordably and sustainably meet that escalating demand while global resources diminish. Our vision is clear: *Pioneering animal genetic improvement to help nourish the world.* We are seeking a motivated Research Technician to join the Biosystems Engineering Team in pioneering research to transform the global animal protein industry.

Key Responsibilities:
- Consulting with partner teams to understand their business problems and opportunities.
- Design new data models to maximize the impact of bio-research on genetic improvement, reproduction and bio-engineering, uncover cross-disciplinary insights and predict animal merit. This will include analyzing and developing a deep understanding of research and real world animal data, genomic and biology data and their relationship, as well as leveraging data in the Data Science Platform.
- Proactive collaboration across a team of biology research and data analysis experts to bring best-in-class solutions to our key product development stakeholders.
- Effectively communicate the analysis and findings through interactive visualizations, documents, and presentations.
- Advise senior research and development stakeholders and influence their decision making through insights presentations.
- Empowering others to use the Data Science Platform data through the creation of easy-to-use data views and tools.
- Creating and maintaining positive relationships with core stakeholders.
- Work collaboratively with interdisciplinary scientists and IT to integrate and transform genomic and phenotypic data into actionable knowledge and recommendations);

- Provide technical contributions in a fast-paced team environment to accelerate our efforts on building an analytics-driven product pipeline;
- Perform statistical analysis, computer programming, predictive modeling and experimental design;

Qualifications:
- Minimum of Master in Applied Statistics, Statistics, or any quantitative field
- 2+ years of professional experience in data science, research, or analytics roles
- Experience managing projects in a cross-functional environment: working with data engineers, analysts, and stakeholders
- Proficiency with SQL required for data access/integration
- Strong knowledge of statistical modeling, machine learning algorithms and experimental design applied to real world problems
- Ability to apply (or develop, if necessary) tools and pipelines to efficiently collect, clean, and prepare massive volumes of data for analysis
- Experience creating scalable and replicable solutions for analysis and modeling
- Excellent written, verbal, and visual communication skills
- Experiences dealing with large data sets; data architecture

Preferred:
- Experience using statistical computer languages (R, Python, etc.) to manipulate data and draw insights from large data sets
- Experience with Cloud computing (Azure,AWS,GCP,...)

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