



Role Profile

Role Title: Intern - Data Software Development Engineer

Reports To: Senior Manager, Data Software Engineering, R&D Scientific Informatics

Position Location: Remote

Company Background:

Genus (Parent company to ABS Global, PIC and R&D/IntelliGen) is a global FTSE 250 company, headquartered in the UK and listed on the London Stock Exchange. With revenues of around £500 million, Genus has a presence in over 70 countries, with a global workforce of approximately 3,200 employees. One of the best performing stocks on the London Stock Exchange, the Company's market capitalization is around £2 billion. **We are a worldwide leader in porcine and bovine animal genetics, partnering with farmers to transform how we nourish the world – a mission that is important to a sustainable future.** Each generation of animals is selected based on a number of desired traits, including greater health, fertility, productivity or feed efficiency. With superior animal genetics, Genus helps its customers in the dairy, beef and porcine supply chains around the world produce offspring with improved robustness, superior production efficiency and greater sustainability. Genus's vision of "*pioneering animal genetic improvement to help nourish the world*" is supported by its core values to be customer-centric, results-driven, pioneering, people-focused and responsible.

For more information on our student program, please visit- www.startingatgenus.com

Opportunity Description:

We have an exciting opportunity for a highly talented, motivated individual who is seeking a Summer internship working as a data software developer with our Genus Scientific Data (GSD) team. This team is using modern technologies and frameworks to wrangle data into usable formats to run compute-intensive analysis and as a result, improve decision making and accelerate improvement and innovation in bovine and porcine genetics.

Specific Accountabilities:

- Work with other members of the GSD team to develop and maintain multiple large-scale data pipelines as well as developing tools and applications to support acquisition, access, and analysis of data.
- Provide appropriate documentation for code and follow best practice standards for software development.
- Enhance data collection procedures to include additional metadata that is relevant for building analytic systems.
- Ensure secure, flexible designs are implemented that can handle a wide range of data inputs and formatted outputs.
- Work to develop software and technical approaches to process, clean, and verify the integrity of data used for analysis.
- Interact with science teams and users to understand requirements and identify improvements to the software.

**Basic Qualifications:**

- Currently enrolled in Computational Sciences, Computer Science, or related academic fields of study.
- Programming experience with Python and SQL.
- Experience with modern software development techniques, configuration management principles, and version control.
- Self-driven, data-oriented personality with good communication and teamwork skills.

Desired Qualifications (not required):

- Experience working in a Linux/Unix environment.
- Experience working with Kubernetes clusters.
- Experience with cloud native software development.
- Experience with Microsoft's Azure cloud.
- Experience work with R or deploying R Shiny applications

Expected Behaviors and Capabilities:

- Maintains professional verbal and written communications with co-workers, internal and external customers, and vendors always.
- Flexible with job responsibilities and consistently strives to be an effective team member.
- Strives to advance skills and displays a willingness to accept future development.
- Actively participates in knowledge sharing sessions and training opportunities to further develop applicable skills.