



Role Profile

Role Title: Software Engineer Intern
Reports To: Manager of Software Engineering
Position Location: Deforest, WI

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

Overall Responsibilities:

We have an exciting opportunity for a highly talented, motivated individual seeking an internship in software development within our IntelliGen R&D team. We use modern full stack technologies (TypeScript, Angular, Node.JS, Docker, and others) to write software for our instruments, which help our customers achieve their genetic objectives. Our team maintains the code for the user interface, back end, and embedded systems. This is a great learning opportunity for someone early in their career.

Specific Accountabilities:

- Work with other members of the R&D software team to develop and maintain instrument software, 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.
- Help find and fix bugs which cause issues for our users.
- Improve usability of Angular UI.
- Interact with science teams and users to understand requirements and identify improvements to the software.

Basic Qualifications:

- Currently enrolled in Computer Science, Software Engineering, Electrical Engineering, CIS or related academic fields of study.
- Programming experience with JavaScript/TypeScript.
- Experience with modern software development techniques, configuration management principles, and version control.
- Self-driven, with good communication and teamwork skills.

Desired Qualifications (not required):

- Experience working in a Linux/Unix environment.
- Programming experience with C++.
- Experience working with Docker containers.

Capabilities and behaviors:

- Live and display the Genus values at all times in their day-to-day activities.
- Maintain professional verbal and written communications with co-workers, internal and external customers, and vendors at all times.
- Be flexible with respect to job responsibilities and consistently strive to be an effective team member.
- Strive to advance your skills and display a willingness to accept future development.
- Actively participate in company training opportunities to further develop skills applicable to the team.
- Gain an understanding of the company's business and the team's role within the company.