Livestock Data Technician

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Technician/Administrative/Research/Agricultural

Livestock Data Technician

Office of Research, Research Stations

Temporary full-time from April 2021 to April 2023
Hiring #: 2021-0162

Please read the Application Instructions [1] before applying

Located at the Ontario Dairy Research Centre in Elora and reporting to the Manager, Ontario Livestock Research Centres, the Livestock Data Technician supports the data initiatives in the Agreement between the Ontario Ministry of Agriculture, Food and Rural Affairs (OMAFRA) and the University of Guelph. The Agreement requires the University increase access and sharing of data to facilitate new agri-food and rural research and data analytics to inform decision-making.

The Livestock Data Technician is responsible for the design, configuration, management, maintenance, daily operation, security and performance of the Elora/Ponsonby livestock information technology infrastructure and computational systems. The incumbent will provide support for these complex systems and interconnected technologies that requires day-to-day attention in order to maintain optimal performance and utilization. They will configure and manage sensors, troubleshoot problems, maintain data integrity and configure hardware components to improve reliability, performance and data security. To support research activities the Livestock Data Technician also provides users with a local multi-user environment for storing, manipulating, and analyzing large data sets with complex software packages as well as access to these data through the on-line portal.

Requirements of the position include:

- Three-year college diploma in computer technology or related field (undergraduate degree preferred), with three (3) years of relevant experience, or an equivalent combination of education and experience;
- Demonstrated knowledge of agri-food research and agri-food sector;
- Strong understanding of Linux and hardware systems support in an internet operations environment;
- Solid knowledge of Linux kernel, device drivers, compilers, toolchain;
- Solid knowledge of database architecture, database technologies and language (e.g. SQL);
- Experience with script languages such as Perl and Python;
- Understanding of key IoT use cases and IoT development experience on one of the industry leading platforms;
- Good understanding of SDLC and solution delivery methodologies;
- Able to develop high-level architecture and designs in support of robust technology solutions taking into account user requirements, technical requirements, performance considerations, and data architectures;
- Skills and expertise in software/programming languages such as HTML and Javascript;
- Experience in designing user interfaces, creating technology architecture and infrastructure design activities, designing IoT components, doing technology build, test and deployment activities;
- Able to troubleshoot, diagnose and provide support to IoT solution development effort;
- Able to provide support for the station IT network and connected hardware, including liaising with Computing and Communication Services (CCS), facility technology providers, station internet service providers to troubleshoot connectivity;
- Strong analytical and problem solving, attention to detail, interpersonal skills, and ability to work independently and as part of a team;
- Able to work in a livestock setting, including dairy, beef, swine and/or poultry; and
- Class G driver’s license.

Classification OSSTF/TARA, District 35 Salary Band 6
Normal Hiring Range $27.72 – $30.97 per hour

At the University of Guelph, fostering a culture of inclusion [2] is an institutional imperative. The University invites and encourages applications from all qualified individuals, including from groups that are traditionally underrepresented in employment, who may contribute to further diversification of our Institution.

Posting Date: 2021 04 12
Closing Date: 2021 04 30

Keywords: current [3] opportunity [4]

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