



AGSI



13029 Steeles Ave.
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www.agsi.ca

DIRECTOR, DATA SCIENCE

Since 1993, Angus GeoSolutions Inc. (AGSI) has been a provider of technology, data and information solutions, empowering government, telecommunication, utility, financial, and agri-food organizations to make better, more informed decisions.

We are looking for a Director, Data Science to lead our Location Warehouse Data Science team of data and location specialists and manage junior data science and GIS application specialist team members ensuring proper execution of functions within the department.

The Director will lead the department's engagement with business stakeholders, executives, partners, and clients. The role will focus on enhancing existing data creation and management as well as developing new approaches and methodologies.

KEY AREAS OF RESPONSIBILITY

- Accountable for Location Warehouse portfolio
- Lead the department, develop team culture, hiring standards, and implement human resource policies, such as training, development, etc.
- Develop next generation data science vision with senior management team and oversee its adoption
- Lead department in the development of new insights, advanced modeling techniques, and data science capabilities
- Prepare white papers and conference presentations
- Work on challenging fundamental data science issues where necessary, realize and develop solutions independently
- Build and manage new data tables that support data collection in the department, cross-channel data integration, data visualization, dashboards, predictive analytics, and data mining
- Establish actionable KPIs and successful metrics, and ensure timely and accurate reporting
- Leverage data science tools and techniques in analyzing large datasets enabling the development of custom models and algorithms to uncover insights, trends, and patterns in the data, useful in availing informed courses of action
- Create data science platforms to test and experiment with techniques inclusive of advanced analytics, behavioural modeling, and churn capitalizing on new data science approaches that can yield revenue for the business
- Evaluate analytics and machine learning technologies for use in the business
- Communicate findings to key stakeholders through reports and presentations
- Design and architect data processing pipelines for the department
- Drive collection of new data and refine existing business data sources
- Collaborate with senior business executives and key stakeholders in creating the data science roadmap aiding data governance across the business and improve overall business performance
- Stay up to date with the latest data science trends, techniques, and best practices, determining how to incorporate the most suitable practices in the department
- Perform duties as deemed fit by the Senior Executive Team



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SKILLS & QUALIFICATIONS

- Master's degree (PhD preferred) in Statistics, Machine Learning, Mathematics, Computer Science, Economics, or any other related quantitative field
- Equivalent of the same in working experience also acceptable
- Minimum 10 years of work experience in a data science capacity
- Experience leading data science teams through implementation of new data science models, tools, and techniques leading to improvement of business performance
- Experience solving analytical issues through quantitative approaches and machine learning methods, using advanced statistical methods, data mining techniques, and information retrieval
- Analyze and manipulate large, complex, high-dimensional data from numerous sources
- Experience working with distributed computing tools, big data technologies, and programming languages
- Clear communication skills, clarity of instruction and passing along information
- Collaborate and interact with non-technical departments
- Exceptional communication skills to tailor and convey technical messages in a clear and understandable manner
- Prepare reports and presentations for executives and key stakeholders to serve as valuable insights and aid in departmental decision making
- Proficient in the use of MS Office software - Word, Excel, PowerPoint, and Outlook
- Data base skills in Oracle, PostgreSQL, and SQL Server data creation., maintenance, reporting, analysis, integration, and data visualization tools
- Superior computer and technological knowledge / skills
- Passion for analytics and empirical research
- Flexible analytic approach and be proficient in one or more scripting languages
- Capable of using SQL to query databases and an expert working with both relational and non-relational data bases systems such as SQL, Oracle, PostgreSQL, or Cloud databases
- Familiar with modern machine learning techniques for classification and regression as well as knowledge of A/B testing, experimental design, and general statistical modeling
- A result-driven, strategic, and creative thinker, highly analytical, highly organized, able to handle multiple simultaneous tasks and meet aggressive deadlines, a team player, comfortable working in cross-functional settings
- Comfortable working with business executives and top leadership, proactive and a self-starter, and have an ability to stay calm in times of adversity and uncertainty
- Exceptional leadership skills, portraying an ability to lead a cross-functional group in a unified direction as well as an ability to influence and move top business leadership and executives

JOB TYPE

- Full-time

SALARY

- Commensurate with experience and education.

Please send resume by email – info@agsi.ca