
FUGRO ROADWARE INC.

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Fugro Roadware Inc. is the world's leading roadway data collection firm, providing quality data on over 250,000 miles of roads annually. A fleet of high-tech vehicles drives a client's road network to analyze pavement condition and to inventory roadside assets (e.g. signs, guardrails, catch basins, etc). The collected data is processed at our Paris, Ontario office and delivered to our clients, who are state- and municipal-level departments of transportation, so that they can make informed infrastructure maintenance and investment decisions.

The successful candidate will be an important member of Roadware's Data Analysis department, having responsibility for processing collected roadway data for delivery to clients, applying problem-solving skills to project challenges, recognizing opportunities for process improvement, recommending changes to existing workflows, and communicating needs to software developers. Roadware's fast-paced and dynamic environment provides many opportunities for motivated individuals to get involved and to make a difference.

Key Responsibilities

- Develop a good understanding of Roadware's data collection abilities, client databases which arrive from clients and data processing procedures
- Apply SQL and database programming skills in converting customer databases into Roadware database formats
- Match collected data with client road network information using proprietary Roadware software (training will be provided)
- Apply GIS mapping skills to assist with matching, and field collection
- Analyse and process sensor data and digital images from the collection vehicles for delivery to clients, using Roadware software tools and other industry-standard software
- Collaborate with other analysts, engineers, and software developers to recommend changes to current products and processing tools
- Exercise judgment and resourcefulness in identifying and resolving complex problems, modifying plans as conditions change, and either developing recommendations or making decisions
- Identify unacceptable customer data and communicate internally with teams and Project Managers

Skill Requirements

- Excellent problem solving ability, process analysis skills, and data analysis skills
- GIS experience and knowledge of relevant software like ESRI's ArcMap would be an asset
- SQL and database programming skills with tools like MS Access and MS FoxPro
- Excellent communications skills and ability to obtain buy-in for ideas
- Working towards engineering, math, computer science, or similar degree
- Career ambition and the desire to make a difference
- Understanding of pavement design, construction, and deterioration would be an asset