



Employment Opportunity

Data Scientist



April 1st, 2021

Highwood Emissions Management (Highwood) is an equal opportunity employer working to enable diversity in the workforce. We welcome all applicants regardless of race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status. We also value diversity of worldview, experience, and perspective. To those who believe they can bring value to Highwood, we welcome your application, even if you do not meet 100% of the requirements outlined in this job posting.

OVERVIEW

Highwood is looking to expand its team and is currently seeking a Data Scientist. As Data Scientist, you will be responsible for analyzing GHG emissions and technology performance data using numerical modeling, scenario analysis, and AI/ML/statistics, and communicating insights using interactive data visualization techniques. The ideal candidate is highly motivated with a strong capacity to learn quickly and apply diverse skills. The work will benefit from skills in data science and computer programming, and knowledge of greenhouse gas emissions sources and regulations from the oil and gas industry.

ABOUT HIGHWOOD

We are a team of leading emissions reduction experts working on cutting-edge projects. We engage industry, government, and innovators around the world, leveraging data, analytics, knowledge, and experience to optimize GHG emissions management. Our mission is to innovate, collaborate, and educate the path to a world with effective and affordable emissions management solutions. Highwood is a new and dynamic company with great potential. We are looking for an ambitious team player who wants to commit to our vision and join us in our journey as we continue to grow.

RESPONSIBILITIES

In this role, some of your responsibilities will be to:

- Analyze emissions datasets from diverse sources and technologies to identify opportunities for improvements in emissions management practices
- Design and deliver custom methane leak detection and repair programs for the oil and gas industry using numerical modeling, statistics, and data visualization
- Understand and communicate uncertainties through sensitivity analyses
- Automate data management and processing tasks
- Manage project management duties such as cost tracking, invoicing, and planning
- Write high quality reports, and various other documents, as required
- Participate in planning and strategizing for Highwood, as required
- Provide insight and identify opportunities for emissions reduction activities

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PREFERRED* QUALIFICATIONS AND EXPERIENCE

- Bachelor's degree in STEM or similar training
- Proficiency and experience in computer science and/or data science
- Experience with numerical modeling, monte carlo methods, and statistics
- Experience working in the oil and gas sector and/or with emissions data
- Experience analyzing complex datasets to generate actionable information
- Experience designing, implementing, and delivering on diverse projects for clients

PREFERRED* SKILLS

- Strong abilities in Python, R, and related data science modules and libraries
- Familiarity and/or proficiency in Git, Hadoop, SQL, ML/AI, etc.
- Strong oral and written communications skills
- Independent, self-motivated, and willing to take initiative
- Excellent attention to detail in a dynamic environment
- Critical thinker with innovative, problem solving abilities
- Ability to manage time effectively with competing priorities
- Collaborative and professional team player

**Candidates are not expected to have all of the qualifications, experience, and skills listed.*

LOCATION

The position will be based in Calgary, Alberta. Remote working situations will be considered.

ADDITIONAL INFORMATION

- Flexible working schedules or alternative work arrangements can be considered.
- Compensation is commensurate with education and experience.
- The successful candidate must be legally able to work in Canada.

APPLY NOW

Please submit a single pdf including your Resume/CV and cover letter by email to info@highwoodemissions.com. The document naming convention should follow the format: *LastName_FirstName_DataScientist.pdf*
Only applicants selected for an interview will be contacted. Thank you for your interest.

Team Contract



Highwood's promise to staff and contractors is to:

- Treat you with respect, fairness, and honesty.
- Give you a voice. We will encourage you to question the way we do things, and we will empower you to speak your mind.
- Understand your goals, inasmuch as you are willing to share, and work to help you achieve them.
- Support your growth, promote you, and provide opportunities to expand your network and foster your professional identity.
- Appreciate, recognize, and reward your contributions and wins.
- Make time to have fun and celebrate success.
- Foster an environment that encourages you to share your concerns, no matter how small they might seem.

Your promise to Highwood is to:

- Treat others with respect, value their contributions, and lift them up, even when they fail. You never know how others might be struggling.
- Be patient with yourself. We work on unsolved challenges. We expect mistakes and see them as learning opportunities.
- Strive to continually learn and grow professionally and personally, regardless of where you started and where you might end up.
- Embrace innovation and change – there is no destination.
- Do your best – only you know what that means. Set boundaries and respect them. Take a break when you need it.