

## Job Posting:166384 - Position: S25 Co-op, Telematics Full Stack Developer (Acheson) 166384

**Co-op Work Term Posted:** 2025 - Summer  
**App Deadline** 02/19/2025 09:00 AM  
**Application Method:** Through Employer Website  
**Posting Goes Live:** 01/29/2025 03:26 PM  
**Job Posting Status:** Expired

### ORGANIZATION INFORMATION

**Organization** North American Construction Group (NACG)  
**Country** Canada

### JOB POSTING INFORMATION

**Placement Term** 2025 - Summer  
**<b> Job Title <b>** S25 Co-op, Telematics Full Stack Developer (Acheson) 166384  
**Position Type** Co-op Position  
**Job Location** Acheson, AB  
**Country** Canada  
**Duration** 8 or 12 months  
**Salary Currency** CAD  
**Salary** 0.0 per hour for 0 Major List

#### Job Description

**Job Title: Co-op, Telematics Full Stack Developer (Acheson)**

**Job ID:** 2025-15940

#### Position Scope

**The Engineering Coop Program** within North American Construction Group will provide you with valuable exposure to heavy equipment reliability/maintenance engineering.

We are currently looking to hire a Telematics Systems Analyst student for our co-op program based out of our Acheson office, located 10 minutes west of Edmonton. To be considered, you must be currently working towards your Mechanical Engineering Degree, other Engineering disciplines will be considered.

Our Acheson location houses both our head office, on the upper level and our maintenance shop, on the ground floor. The shop is our main coordination point for the maintenance of the NACG owned and operated fleet. NACG owns over 600 pieces of heavy equipment including hydraulic shovels, excavators, haul trucks, dozers, graders, articulating trucks, skid steers and other types of heavy equipment.

NACG is in the process of implementing a world-class telematics system across its fleet of heavy equipment. The telematics system monitors real-time sensor data from each piece of equipment, tags it with GPS data and sends it to a centralized server where it is actively monitored by condition monitoring analysts. The system captures data like engine speed, coolant temperature, oil pressure, operator inputs, payloads and other data streams along with fault codes. The data helps the condition monitoring analysts understand the overall health and operating conditions of the piece of equipment so they can use engineering judgement to make data-based decisions to improve component health.

#### We are recruiting for our future leaders!

North American is proud to have hired many graduating students from our co-op program. Our co-op program is not only a great way to gain invaluable experience but to hopefully, one day, return as a permanent employee within the NACG team!

We encourage growth and development for students entering today's workforce.

**Available Start Date: May 5, 2025** (8 or 12-month placements are available)

**Shift:** Monday - Friday, 8:00AM-5:00PM (*Hours may vary*)

### **Responsibilities**

Working under the direction of the Superintendent of Reliability, the successful candidate will work with telematics engineers, maintenance and operations management, IT professionals, and upper management to support the telematics program's operations and conduct data analytics and expansion projects.

As a part of the telematics team, the successful candidate will be directly involved in an evolving, complex software environment that includes Aveva Pi, ArcGIS enterprise, and XMPPro deployments. Position responsibilities include:

- Developing real-time data analyses to improve equipment health outcomes
- Analyzing bulk equipment data to understand and explain trends in equipment health
- Building reports for wide audiences communicating analytics
- Development/improvement of internal telematics team tools
- Development of software solutions for program expansion
- Monitoring telematics data source devices and troubleshooting firmware issues
- Maintaining and standardizing telematics data templates
- Monitoring and maintenance of telematics servers and services

### **Summary**

*Rewards of our positions include competitive compensation and benefits packages and excellent career growth prospects. To explore this opportunity, please submit a resume of your experience and accomplishments in confidence.*

### **Overview**

North American Construction Group (NACG) has served as an industry leader in the heavy construction and mining industries for over 65 years. In that time, we've proven ourselves as a safe and reliable contractor who can complete projects of any size and scope. We've also taken a number of bold steps forward to broaden our footprint, expanding to mines outside our provincial borders, and providing third-party maintenance services to clients and customers.

In addition to providing employees with rewarding careers, North American has a whole lot more to offer:

- **Significant Growth** - As a company, NACG is rapidly expanding, and has practically doubled in size over the past year alone.
  - **Long Term Contracts** - With over \$1 billion dollars in contracted work booked through 2025, NACG can provide long term employment solutions and numerous opportunities for advancement.
  - **Commitment To Safety** - With a top tier record for safety performance, NACG is dedicated to ensuring that everyone gets home safe, and constantly strives for a goal zero performance.
  - **Competitive Compensation** - NACG provides competitive compensation packages for all employees.
  - **Attractive Benefits Package** - With a substantial benefits package provided to all employees, NACG ensures that you are covered for life's many surprises.
  - **GRRSP Matching** - As you begin your new career, you can also start planning for the future thanks to NACG's GRRSP matching.
- North American Construction Group is committed to providing a diverse and inclusive work environment where every employee feels safe, valued, and respected. We recognize the talent, perspective, and creative force that diverse groups of people generate, and we encourage all people to express interest with us especially those from marginalized and underrepresented groups who might hesitate before applying. If you require extra support in submitting interest on a role or throughout our interview process, please call us at 780-960-7171 or email us at [careers@nacg.ca](mailto:careers@nacg.ca) to ask for assistance.

**North American Construction Group acknowledges that we perform work on the Traditional Treaty 6 and 8 Territories, home to the Cree, Dene, Blackfoot, Saulteaux and Nakota Sioux, and the Metis Nation of Alberta. We encourage members of those and all traditional lands to apply with us.**

### **Job Requirements**

#### **Qualifications**

- Highly motivated individuals who have excellent communication, organizational and problem-solving skills
- Candidates familiar with the basics of data analytics, system administration, and/or software development
- Experience with MS Power BI, ArcGIS Pro, R, and/or Python for data analytics considered an asset
- Experience with XMPPro, MS Power Apps, and/or MS Power Automate considered an asset
- Familiarity with RESTful API integration considered an asset
- Candidates with an interest in heavy equipment and mining
- Familiarity with condition-based monitoring or telematics programs considered an asset
- Students of all disciplines in the engineering program will be considered
- You must hold a valid class 5 driver's license to be considered for this position

Citizenship Requirement                      N/A

## APPLICATION INFORMATION

Application Procedure                      Through Employer Website

Cover Letter Required?                      Yes

Address Cover Letter to                      Hiring Manager

### Special Application Instructions

#### Application Link:

[https://careers-nacg.icims.com/jobs/15940/co-op%2c-telematics-full-stack-developer-](https://careers-nacg.icims.com/jobs/15940/co-op%2c-telematics-full-stack-developer-%28acheson%29/job?mobile=false&width=1333&height=500&bga=true&needsRedirect=false&jan1offset=-480&jun1offset=-420)

[%28acheson%29/job?mobile=false&width=1333&height=500&bga=true&needsRedirect=false&jan1offset=-480&jun1offset=-420](https://careers-nacg.icims.com/jobs/15940/co-op%2c-telematics-full-stack-developer-%28acheson%29/job?mobile=false&width=1333&height=500&bga=true&needsRedirect=false&jan1offset=-480&jun1offset=-420)

**Please click the "I intend to apply to this position" button on SCOPE and also submit your application via the employer's website.** Applications are accepted on a rolling basis and the posting may be expired at any time by the employer as submissions are received. Students should submit their applications as soon as they are ready.