

Geomatics Engineering Intern

Overview

OGL Engineering is looking for a highly motivated candidate to join a team of young, vibrant engineers performing geomatics engineering services, including photogrammetry and LiDAR data acquisition and data processing. This 16-month position includes both field and office duties, where you will be responsible for aerial sensor system operation, processing, and quality control.

About Us

OGL Engineering is a professional engineering company that provides customized geospatial solutions for the oil and gas, mining, and utility industries. OGL prides itself on providing comprehensive geomatics services with full in-house execution for a wide variety of geomatics engineering projects, including aerial surveying and GIS. Our company collaborates with our clients to provide engineering solutions tailored to their industry, workflows, and project requirements.

Detailed Description

The internship position includes a rotation where students will work in 3 different business areas for work terms lasting between 4 and 8 months in each area:

1. **Aerial Data Collection**
 - a. Operate airborne camera and LiDAR systems in fixed-wing aircraft,
 - b. Evaluate quality of raw aerial data
2. **Production**
 - a. Process and analyze aerial imagery and LiDAR data,
 - b. Generate orthophotos, DEMs, contours, and other derived products,
 - c. Perform LiDAR classification and model topographic features.
3. **Task Automation**
 - a. Design, test and evaluate quality control algorithms and software

Qualifications

- Engineering student with good academic standing with at least 3rd year of studies completed

Key Factors

- Interest in remote sensing technology including photogrammetry and/or LiDAR
- Willing to fly in a small aircraft and travel for up to 3 weeks at a time (this position is 50% travel)
- Positive attitude
- Strong attention to detail, superior organizational, analytical and problem-solving skills
- Excellent communication skills with the ability to work with various team members
- Team-first attitude
- A valid driver's license and vehicle for traveling to and from worksites

Contact

To apply for this opportunity, please submit your resume and a cover letter through the University of Calgary's Elevate portal (when available) or directly to HR@OGLEngineering.com.

Location: OGL Engineering – Calgary, AB

Start Date: May 1, 2024

Duration: 16 Months