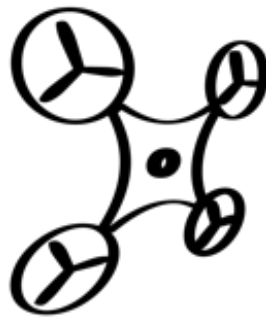


Job Opportunity - Aerial Remote Sensing, Digital Mapping, GIS



ARCH AIRWORKS INC.

DIGITAL MAPPING

Company Profile: ARCH Airworks Inc.

ARCH Airworks Inc. is a specialized aerial remote sensing and archaeological services company based in Canada. Combining cutting-edge drone technology, advanced sensor capabilities, and a commitment to precision, we provide innovative solutions for cultural, environmental, and industrial challenges.

Our expertise lies in utilizing state-of-the-art GPS and drone systems equipped with high-resolution thermal, LiDAR, and multispectral sensors, to collect and analyze critical data. With years of experience leveraging digital platforms and GIS software, we produce high-quality models, maps, and analytics tailored to client needs. Our services range from RGB photogrammetry and thermal mapping to multispectral analysis and LiDAR modelling.

Our team approaches each project with professionalism and curiosity, offering a unique combination of archaeological knowledge and technical expertise. With plans to expand into additional roles, including contract procurement, drone pilots, software developers, computer hardware technicians, surveyors, cultural liaisons, and project coordinators, ARCH Airworks is growing into a leader in aerial data acquisition and interpretation.

We are a forward-thinking, experimental company with a commitment to excellence, sustainability, and meaningful community engagement. Join us and contribute to a team that is making a tangible difference in understanding the past and shaping the future.

Job Title: GIS Technician/Analyst

Location: Semi-Remote (Manitoba)

Company: ARCH Airworks Incorporated

Employment Type: Part-Time / Full-Time

Salary: Competitive, based on experience

About ARCH Airworks

ARCH Airworks is a forward-thinking company specializing in aerial remote sensing, data analytics, and geospatial solutions. We provide high-quality spatial data and analysis to our clients, with a focus on accuracy, efficiency, and cutting-edge technology. As we continue to expand, we are seeking a detail-oriented **GIS Technician/Analyst** to join our dynamic team.

Position Overview

We are looking for a knowledgeable **GIS Technician/Analyst** to support our geospatial data processing and analysis needs. The ideal candidate will possess a strong understanding of GIS concepts, statistics, and data management, as well as experience with GIS software and tools. This role will involve working closely with the Manager to ensure the accurate processing and interpretation of geospatial data.

Key Responsibilities

- Perform essential GIS tasks, including drawing, recording, and geospatial analysis using industry-standard GIS software.
- Operate GIS tools, processes, and functions with a strong understanding of parameters and outputs.
- Conduct georeferencing of spatial data to ensure accuracy and precision in mapping systems.
- Utilize statistical methods to make inferences from spatial data and present findings to the Director.
- Communicate regularly with the Manager to update on progress, clarify requirements, and align on project goals.
- Handle and record GPS data with a clear understanding of geospatial concepts and accuracy.
- Maintain data integrity and ensure no ownership of data is transferred or shared without authorization.
- Adhere strictly to project guidelines with no direct decision-making authority regarding client interactions.
- Capable of maintaining an organized work environment conducive of managing various file types of large sizes.

Qualifications

- Bachelor's degree in Geography, Geomatics, Computer Science, or a related field, or equivalent experience.
- Proficiency with GIS software (such as QGIS, ArcGIS, WebODM, or other relevant platforms).
- Understanding of basic computer science concepts, including computation and algorithms.
- Strong grasp of statistics and their application in geospatial analysis.
- Basic knowledge of geography, surveying, and mapping systems.
- Familiarity with georeferencing techniques and GPS handling.
- Excellent communication skills for regular updates with the Managing Director.
- Highly detail-oriented with the ability to follow processes and procedures accurately.

Preferred Skills

- Experience with remote sensing data (e.g., LiDAR, multispectral imagery).
- Basic knowledge of data analysis software and computer languages (e.g., Python, R) is a plus.
- Familiarity with aerial survey data and photogrammetry.

Why Join ARCH Airworks?

- Work with a cutting-edge company in the geospatial and remote sensing field.
- Opportunity to work remotely with a flexible schedule.
- Collaborate with a passionate team dedicated to innovative geospatial solutions.

How to Apply

Please send your resume and a brief cover letter detailing your experience and interest in the position to **nick@archairworks.com** with the subject line: "GIS Technician/Analyst Application - [Your Name]."

Application Deadline: January 31, 2024

ARCH Airworks Incorporated is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.