WEATHERLOGICS

Meteorological Assistant

Closing Date: February 2, 2025 by 11:59 pm CT.
Job Type: Temporary; Full Time (16 weeks in spring-summer 2025).
Location: Employee will work remotely. Weatherlogics is located in Winnipeg, MB.

Position Overview

Weatherlogics Inc. is seeking a meteorological assistant to assist with the preparation of weather forecasts, data collection, and data analysis. The successful applicant will undertake a combination of team and independent work within a professional environment. This position will involve assisting professional meteorologist(s) with daily weather forecasting activities. It will also involve special meteorological projects and the collection/analysis of meteorological data using scientific programming.

Description of Position

- Assist professional meteorologist(s) with the preparation of weather forecasts:
  - Assist in the production of weather maps.
  - Prepare written weather statements with guidance from a supervisor.
  - Enter forecast data into meteorological databases.
  - Assist in the analysis, diagnosis, and prognosis of high-impact weather conditions across Canada.
- Assist with the collection of meteorological data related to:
  - Severe convective storms (e.g. hail, wind, tornadoes, heavy rain).
  - Agriculture (e.g. soil temperatures, soil moisture, crop reports).
  - Climates of Canadian cities/towns (e.g. long-term raw weather data).
- Assist with special projects relating to the development of meteorological algorithms or methodologies:
  - Help to write scientific programs using python that can be used to visualize or analyze data.
  - Use data-analysis software to identify trends in meteorological data.

Position Responsibilities

- Exact responsibilities will be determined by the skills possessed by the successful applicant. Responsibilities that will apply to any applicant include:
  - Preparing weather maps for agriculture and fire weather forecasts.
  - Inputting severe weather data into a meteorological database.
  - Analyzing historical climate data.

Keys to Success

- Strong written and verbal communication skills.
- Ability to explain complex issues using simple language.
- Willingness to continually learn new concepts and methods.
- Meeting tight deadlines.
- Calm under pressure or in stressful situations.

www.weatherlogics.com
info@weatherlogics.com
1-877-852-4500

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Educational and Other Requirements

The successful applicant will meet or exceed the following requirements:

- Currently enrolled in a B.Sc. in atmospheric science/meteorology, or a science degree with courses in the following areas (Note: applicants are not required to have taken all these courses, but more courses will result in a stronger application):
    - Atmospheric thermodynamics.
    - Atmospheric dynamics.
    - Synoptic meteorology.
    - Mesoscale meteorology.
    - Numerical weather prediction.
    - Boundary-layer meteorology.
- A basic understanding of the strengths and weaknesses of various numerical weather prediction models.
- Strong computer knowledge, including the minimum proficiencies:
    - Strong knowledge of Microsoft office (especially Microsoft Excel).
- The position may include some shift work, including evenings and weekends.

Preferred Qualifications

The following are not required for this position, but will enhance your application:

- Knowledge of scientific programming - python.
- Knowledge of agriculture.
- Knowledge of UNIX environment(s).

To Apply

Please send all applications to info@weatherlogics.com or the job coordinator at your institution. Applications must be submitted prior to the closing date/time. Late applications will not be accepted.

While we appreciate all applications, only those selected for an interview will be contacted. Applicants that reach the interview stage may be required to:

- Provide proof of education, including courses taken.
- Undertake an oral test to assess proficiency in communication skills and knowledge of meteorology.

Why Weatherlogics?

Weatherlogics is committed to the highest standards of excellence in the field of meteorology. The quality, accuracy, and professionalism of our work is paramount. Our employees are challenged to always do their best work and our given opportunities to continually enhance their skills. We strive to maintain a professional, yet congenial relationship with our employees and clients.