



Position: Mesonet and Information Systems Technician

Reports To: Director of Technology

Updated: March 2025

Supervises: N/A

Mount Washington Observatory (MWOBS) has operated a weather station at the summit of the Northeast's highest peak for ninety years. The Mesonet and Information Systems Technician works with the Director of Technology to modernize and upgrade the Mount Washington Regional Mesonet and the Observatory's information technology.

This role is responsible for implementing, maintaining, and troubleshooting the Observatory's network of remote automated weather stations using diverse communication methods. An IT-focused professional with a strong aptitude for self-teaching and adaptability is essential. The position requires fieldwork in challenging environments—including extreme weather—and demands flexibility in scheduling and location.

Remote and flexible time is encouraged for this position as responsibilities allow. Opportunities for professional development exist with this position as well. Please use the included link to submit a cover letter and resume by April 10th 2025 to be considered for this position. A complete description of job responsibilities can be found below.

Key Responsibilities:

- **Network Design and Maintenance:**
 - Design, install, and maintain the network of remote automated weather stations.
 - Ensure robust connectivity through various communication methods (satellite, cellular, microwave, etc.).
- **Instrument and Communication Systems:**
 - Perform repair, maintenance, and calibration of instruments in extreme conditions, including at summit stations.
 - Deploy and maintain long-range communication systems to support station connectivity.
- **Asset and IT Support:**
 - Document both deployed and offline assets accurately.
 - Provide basic IT software and network support for administrative staff.
- **Stakeholder Collaboration:**
 - Work directly with MWOBS partners to manage station siting, permissions, and access logistics.
- **Operational Flexibility:**
 - Be available outside standard hours as project or operational needs require.

Educational and Experience Requirements:

- **Formal Education:** Bachelor's degree in Computer Science, Information Systems, or a related technical field;
OR

- **Equivalent Experience:** Minimum of 4 years in IT roles encompassing networking, programming, or IT support services.

Essential Skills and Qualifications:

- Proficiency in reading and understanding various programming and scripting languages.
- Demonstrated self-motivation with the ability to rapidly learn and adapt to new technologies.
- Solid understanding of LAN/WAN technologies and peripheral integration.
- Flexibility to adjust work hours and locations, including travel and fieldwork.
- Valid driver's license and capability to operate vehicles in mountainous conditions.

Physical and Environmental Requirements:

- Must be able to safely climb ladders and short towers.
- Ability to carry and pack at least 23 kilograms (50 pounds).
- Willingness to hike to remote mountain summits in all seasons while transporting equipment.
- Capability to self-evacuate from summit facilities when necessary.
- Comfort in performing duties under adverse weather conditions.

Desired Technical Capabilities:

- In-depth knowledge of TCP/IP protocols, LAN/WAN network principles, and Cisco equipment.
- Understanding of solar and battery power systems.
- Experience administering Windows Server 2019 environments.
- Competence with Linux command line administration and routine server updates.
- Familiarity with LAMP stack implementation.
- Basic skills in web programming (PHP, HTML, JavaScript, CSS).
- Ability to troubleshoot desktop computer hardware.
- Experience with datalogger systems.

Work Environment

This position will be based at the Mount Washington Observatory's office in North Conway, NH with opportunities to work remotely or in setting your own hours. Travel will be required for occasional work at other Observatory facilities (e.g., Summit Observatory, Maintenance Garage) and field sites as operational needs arise.

Benefits

This position qualifies for the standard benefits package for full-time employees. Current employee benefits include generous paid time off, health, vision, and dental insurance, short and long-term disability insurance, a retirement plan after six months of service, and complimentary gear from our sponsors and discounts on our retail items.

Hire/Fire Responsibility

This position has no hire/fire responsibility.

Employment at Will

This job description does not constitute an employment agreement between MWOBS and employee and is subject to change as needs evolve through your work.

Link to begin the application process: <https://mountwashington.org/about-us/careers-and-internships/mesonet-it-technician/>