Position: Geospatial Analyst I

Northwest Management, Inc., a full-service natural resource consulting firm based in Moscow, Idaho, is seeking resumes from motivated individuals experienced in the collection, processing and analysis of a diverse array of data types and basic programming languages (i.e., Python, R). Interpretation and analysis of imagery and remote sensing data as well as the graphical presentation of geospatial cloud data and statistical comparisons are at the core of this position. From the collection of field data to forest growth projections and scientific-publication level research and synthesis this position works across a suite of natural resource fields with dynamic metrics to achieve client goals. Being adept with ArcGIS/QGIS platforms and delivery/hosting of large datasets in online and cloud-based environments is a must. This position will additionally provide training to other staff on the use of geospatial tools and with data interpretation to help identify prospective analysts and increase the knowledge of geospatial processing throughout the company. Communication and innovation at every level is encouraged.

Status: Full Time, Salary, Professional Exempt
Salary: DOE
Time Frame: Starting December 7th, 2020
Location: This position will report to our corporate office in Moscow, Idaho. Regular work will occur within the Moscow office computer lab. There will be occasional remote-work assignments, dictated by project needs.
Direction: This position will work under the direct supervision of the Technical Services Department Manager.

Primary Duties Include:

- Research and develop additive services in areas of remote sensing including but not limited to GIS, computer hardware, and software.
- Ability to spend up to two (2) weeks in the field at a time with minimal supervision collecting geospatial field data anywhere in continental USA.
- Complete research and development of methodologies and technologies that optimize accuracy and efficient delivery of geospatial products.
- Be able to develop and maintain a working knowledge forest growth models, and MS Access in order to use ArcGIS and remote-sensing data to project forest growth conditions.
- Participate as a team member in the technical services department to continually improve quality and efficiency of products as well as train other staff to increase general knowledge of remote sensing.
- Continue to expand the technical services network through targeted participation in promotional activities, proposal development, budgeting and project management related to remote sensing and GIS.
- Represent NMI and the remote sensing team in public forums through presentations, workshops and leadership of work-related efforts

Minimum Qualifications:

- A MS degree in Remote Sensing, Computer Science, Statistics, Engineering or related field and 2-years' experience in remote sensing data analysis related to natural resources.
- Highly skilled with ArcGIS or QGIS, Microsoft Office, and applied skills in one or more programming languages (R, Python, C++)
- Ability to manipulate, map, and model aspects of large data set and 3D data cloud (Multi-TB)
- Ability to create and statistically interpret complex data and data models.
- Demonstrated experience in remote sensing data, data structures, geodatabases, and statistical modeling.
- Demonstrated ability in spatial and statistical modeling, biometrics, and/or calculus.
- Experience in fieldwork to support remote sensing products.

Additional Desirable Qualifications:

- Masters of Science or Doctoral degree Remote Sensing, Statistics, Engineering
- Expertise with lidar technologies either aerial or terrestrial, and/or drone data acquisition.
- Experience in forest growth modeling and biometrics.
- Publication experience relating to scientific literature associated with natural resource or environmental objectives.
- Ability to organize and perform publication-quality literature review by objectively analyzing research publications and using citation tools such as Mendeley, Zotoro, OneNote, etc.

This majority of work for this position operates in a professional office environment. This position must regularly lift 15 pounds and occasionally lift and move up to 50 pounds. This position is occasionally required to stand; walk; climb or balance and stoop, kneel, crouch, or crawl in the outdoors, on uneven terrain and in inclement weather while operating technical data-collection equipment. The geographic working area is predominantly in the Inland Northwest; however, the operating area for this position includes the continental U.S. and occasional international travel.

If you are interested in this position please submit an application to Tierra Moser, NMI Human Resources at moser@nmi2.com.

Closing Date: As soon as filled, 2020

If you have direct questions about the position please contact:
Mark Corrao (Tech Services Department Manager)
208-310-6732
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