# STONE ENVIRONMENTAL INC

# Position Description

## STAFF GIS SPECIALIST

## Location

Montpelier, VT

## Position Summary

Stone Environmental is seeking a talented, motivated, and engaged individual with a background in the physical sciences and solid quantitative skills in GIS/spatial analysis. The successful applicant will support environmental and geospatial data analysis projects within the Geospatial and Data Solutions team at Stone, a group of diverse, highly motivated scientists, GIS specialists, and application developers. The Geospatial and Data Solutions team supports a variety of internal and external clients across the environmental assessment and remediation, water resources, and agriculture sectors. This position is primarily in an office setting, with occasional field work.

## Responsibilities

General responsibilities will include:

- Geospatial database development, compilation, and integration
- Development of cartographic representation and data visualization
- Advanced spatial analysis in support of Stone's work in the environmental and agricultural sciences
- Programming to enable efficient processing of environmental and geospatial datasets
- Compilation and analysis of environmental data, primarily using database tools
- Creation of data processing documentation and completion of quality assurance/quality control
- Support for creation of high-quality scientific analysis and project deliverables, including technical reports and presentations

## Required Skills

The following skills are required to be considered for this position:

- Geospatial data management and analysis using ArcGIS and ArcGIS Pro
- Proficiency in cartographic design and mapping automation
- Proficiency with relational databases, including PostgreSQL, Microsoft SQL Server, or Microsoft Access
- Computer programming, with proficiency in Python, R, and/or VB.NET
- Ability to evaluate analytical results

- Creative thinking and problem solving
- Self-motivation and keen attention to detail
- Enthusiasm for learning new skills and subjects
- Excellent written and verbal communication skills
- Ability to work as part of a team

## Desired Skills

The following skills are *beneficial*, but are not required for this position:

- Data management and mapping using ArcGIS Online
- Experience performing spatial analysis with large national-level environmental datasets including NLCD, STATSGO, SSURGO, and NHDplus
- Knowledge or experience in analytical chemistry datasets and contaminated site issues
- Course work or experience in geomorphology, hydrology, or hydrogeology
- Knowledge or experience in stormwater or wastewater management
- Statistical and probabilistic analysis
- Experience with GPS and mobile data collection units
- Experience with CAD and incorporating CAD data within GIS

## Education and Experience

Bachelor's degree or higher in the physical sciences (e.g., geology, agricultural, biology, civil/environmental engineering, hydrology, atmospheric science, chemistry, or related environmental/geospatial field). Two years of experience in a scientific or environmental consulting position in a relevant field is required. An advanced degree may substitute for work experience.

## How to Apply

Please visit our careers page on our company website at [www.stone-env.com](www.stone-env.com) to apply online.

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Stone Environmental provides scientific tools, information, and analyses to help clients solve complex environmental challenges. Our team of scientists, quality assurance professionals, and engineers who work around the globe, and our clients rely on us because of our integrity, expertise, and innovation.  Our capabilities include water resources management and modeling, contaminated site investigation and remediation, data quality assessments, support for agrochemical product stewardship and registration, and geospatial analysis, visualization, and application development.  Stone is 100% employee owned through the Stone Employee Stock Ownership Plan (ESOP) and employs 40 scientists, engineers, modelers, programmers, quality assurance professionals, and project managers. The company's headquarters is located in Montpelier, Vermont, with an office in Concord, New Hampshire.