

# Position Description

## GIS PROJECT PROFESSIONAL

### Location

Montpelier, Vermont

### Reporting Relationship

This position reports to Barbara Patterson the Geospatial and Data Solutions Service Line Leader.

### Position Summary

Stone Environmental is seeking a talented, motivated, and engaged individual with a background in environmental science and GIS with excellent skills in geospatial data management, spatial analysis, and 2-4 years of experience with the Esri suite of software (ArcGIS Pro and ArcGIS Online). The successful applicant will support environmental and geospatial data analysis and application development projects within the Geospatial and Data Solutions (GDS) team at Stone. The Geospatial and Data Solutions team works on a diverse set of projects, developing innovative solutions to address challenges related to agriculture, water resources and climate change. This position will be based at our Montpelier, VT office.

At Stone the health and safety of our employee-owners is a priority, that's why we are requiring all successful candidates for this position be fully vaccinated against COVID-19, or willing to become vaccinated as a condition of employment.

### Preferred Skills

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

- 2-4 years of experience doing geospatial data management and analysis using ArcGIS Pro and ArcGIS Online
- 2-4 years of experience developing ArcGIS Online web maps, dashboards, and surveys
- Proficiency with Python and ArcPy libraries
- Proficiency with Arcade programming language
- Proficiency in cartographic design and mapping automation
- Demonstrated strong technical writing skills
- 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

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

- Experience working in a consulting environment
- Experience working directly with clients
- Project management skills
- Relational database management including Microsoft Access
- Experience with ArcGIS Online Experience Builder
- Experience performing spatial analysis with large national-level environmental datasets including NLCD, STATSGO, SSURGO, and NHDplus
- Course work in environmental science
- Familiarity with statistical and probabilistic analysis
- Experience with GPS and mobile data collection units

## Job Responsibilities

General responsibilities will include:

- Support development of GIS applications and work collaboratively with other application developers on Stone's GDS team.
- Work independently on project tasks assigned by senior level staff
- Data management and manipulation of GIS data in ArcGIS Pro and ArcGIS Online
- Creation and management of web maps in ArcGIS Online
- Creation of ArcGIS Online dashboards, story maps, surveys and other configurable tools for Stone's
- Development of cartographic representation and data visualization
- Advanced spatial analysis in support of Stone's work in the environmental and agricultural sciences
- 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

## Experience and Education

BS in environmental sciences including course work in geospatial technologies or a GIS certificate and 3+ years of experience. Alternatively, a BS in GIS including course work in environmental sciences and 3+ years of experience OR a master's degree in GIS with environmental science focus and 1+ years of experience. Coursework or experience in databases and python scripting preferred.

## How to Apply

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

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Stone Environmental is a 100% employee-owned environmental science, engineering, and field services firm. Founded in 1992, our mission is to provide tools, information, and analyses to help our clients solve environmental challenges with integrity, expertise, and innovation. We bring together over 50 scientists, engineers, modelers, mapping and GIS specialists, application developers, project managers, and foundation staff with diverse backgrounds and skills—and a shared commitment to excellence, creativity, and accountability through employee ownership. Our capabilities include environmental assessment and remediation, water resources management, environmental modeling, data quality assessments, support for agrochemical product stewardship and registration, geospatial analysis, data visualization, and application development. The company is based in downtown Montpelier, Vermont with remote employees in New Hampshire Missouri and Maine. Stone is proud to be an equal opportunity and affirmative action employer. Our goal is to be a diverse workforce that is representative at all aspects of employment including the decision to hire, promote, discipline, or discharge, will be based on merit, competence, performance, and business needs. We do not discriminate on the basis of race, color, religion, marital status, age, national origin, ancestry, physical or mental disability, medical condition, pregnancy, genetic information, gender, sexual orientation, gender identity or expression, veteran status, or any other status that is a protected category prohibited by federal, state, or Vermont laws. Visit our website to learn more about services, as well as why we were named one the Best Places to Work in Vermont in 2019, 2020 and 2021: <https://www.stone-env.com/>.