

## GEOSPATIAL ANALYST

Sewall is a full-service engineering, survey, GIS, and natural resources consulting firm in its 144th year of business. Headquartered in Bangor, ME, with offices in Portland, ME, and Caribou, ME, Sewall provides professional services to a wide variety of private- and public-sector clients throughout the United States. Currently we have an opening for a Geospatial Analyst. This is an opportunity for the right candidate to be a part of a dynamic, high performing team with a reputation for knowledgeable, quality service and long-term client relationships.

### **JOB DUTIES AND RESPONSIBILITIES:**

- Develop and apply analysis of spatial and non-spatial datasets to meet client needs.
- Manage large volumes of data including acquisition, editing, sharing, and archiving as necessary.
- Create and maintain spatial maps and related files.
- Manage project tasks, demonstrating an awareness of the larger project schedule, status, and financials.
- Develop and apply quality assurance protocols.
- Create defensible solutions/workflows for complex problems with minimal direction or oversight.
- Assist with proposals and cost estimating, as well as sales and marketing efforts.
- Create written reports and or other documents that conform to company and industry standards for formatting and content.
- Build and maintain healthy relationships with clients.
- Work with team leaders to devise solutions that will enhance accuracy and streamline productivity.
- Effectively communicate work-related information to project staff in order to keep necessary personnel apprised of issues or questions.
- Maintain flexible working hours as needed to accomplish daily tasks, meet project deadlines, provide support and training to technician staff and clients as needed.
- Participate in preparing and delivering project presentations to clients as well as internal and public audiences.
- Participate in the industries serviced by Sewall through conference attendance, continued training, and active involvement in professional organizations, committees, and boards as required.
- Work safely and promote safety within the work environment.
- Job may on occasion require over 40 hours a week.

### **REQUIRED EDUCATION, EXPERIENCE AND COMPETENCIES:**

- Bachelor's degree in science, applied science, engineering, or other relevant technical degree.
- In lieu of degree, 4 or more years relevant experience in projects using geospatial solutions related to your area of expertise.
- At least 2 years' experience using ESRI ArcGIS Pro and ArcMap to implement solutions utilizing model builder and/or ArcPy.
- Proficient with MS Office software including Access, Excel, and Word.
- Programming skills with ability to program using one or more of Python, .Net, C#, Java, C++.

### **VALUABLE EDUCATION, EXPERIENCE AND COMPETENCIES:**

- Masters or PHD degree in applicable field of science or engineering with relevant thesis/project topic.
- Strong documentation skills.
- Practical, hands-on approach to problem solving.
- Experience with database design and implementation.

- Proficiency and experience with a wide variety of GIS datasets and applications.
- Knowledge of common standards for GIS metadata.
- Familiarity with ArcGIS Utility Network.
- Understanding of ArcGIS Online, ArcGIS Server and ArcGIS Portal.
- Skill developing and deploying ArcGIS Online applications such as Field Maps, Hub, Experience Builder, Web AppBuilder, Instant Apps, Story Maps and Dashboards
- Experience with HTML, CSS and Javascript.
- Familiarity with multi-user database environments (SQL Server, PostgreSQL, etc.)
- Basic understanding of web development using HTML, CSS, Javascript, TypeScript, React, VS Code, Java SE, RESTful APIs or ArcGIS Maps SDK for JavaScript.
- Experience with FME software, or similar data translation applications.

**KEY PERSONALITY TRAITS REQUIRED TO SUCCEED IN THIS POSITION:**

- Highly independent; capable of setting own tasks and completing within internal and external deadlines.
- Ready to work in a team environment with patience, perseverance, and a commitment to fostering a team spirit.
- Manages time conflicts, recognizes priorities and coordinates with others to achieve project goals.
- Excellent communication skills with project team members and/or clients.
- Demonstrates ability to learn new technical subjects and skills quickly.
- Ability to apply autonomous creativity to both solo and group objectives.
- Takes responsibility for their work including professionally defending chosen methods, as well as admitting and rectifying mistakes when appropriate.
- Ability to thrive in a client-focused business environment.
- Demonstrates an interest in further development by asking questions, seeking guidance, taking on new tasks and suggesting process improvements.

**PHYSICAL DEMANDS:**

- Must be able to sit at a computer workstation for extended periods of time on a daily basis. The continuous use of a keyboard and mouse throughout each day will be necessary.
- Must have vision ability to work with various formats of data, including differentiating color in imagery, as well as interpreting histograms and hard copy source documents with fine print (handwritten and digital).
- Must be able to work in an open office environment.
- Must be able to conduct business by telephone and web interfaces
- Must be willing and able to perform limited field inspections.
- Must be able to climb stairs, and lift file boxes, computers, and field equipment up to 50 lbs.
- Must be willing to travel overnight.

We offer a competitive salary and a comprehensive benefits package.

Interested candidates should submit a cover letter and a resume outlining experience and credentials to Rachel.Foley@sewall.com. If you need assistance or an accommodation during the application process because of a disability, please contact Rachel Foley, Human Resources, at (207) 817-5475.

Sewall has been named one of the 2024 Best Places to Work in Maine and is an Equal Employment/Affirmative Action Employer.