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Oceanographic GIS Specialist
Telecommute

2 days ago
Requisition ID: 1708

Salary Range:
$30.00 To $35.00 Hourly

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Ocean Associates Inc. (OAI) seeks a full-time GIS Specialist to support National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), Office of Coast Survey (OCS). OCS is the nation's nautical chart maker. If you are looking to be an instrumental part of a growing, employee and customer-focused company working on exciting issues in environmental science and other marine/coastal resources, we want to hear from you!

OCS is mandated by Congress to collect, manage, and compile data and information necessary to maintain the national suite of more than 1,000 nautical charts. In addition, OCS conducts hydrographic surveys that measure water depth and produces coastal maps and vector shoreline series and historic maps and charts. These products support commercial shipping, the fishing industry, United States Navy and Coast Guard operations, state and local governments, geographic information system (GIS) users, and recreational boaters throughout the United States.

OCS's National Bathymetric Source (NBS) program is charged with building the national bathymetry from the best available data to support OCS's mandate. The NBS is designed to be the nation's curated and regularly maintained hydrographic data compilation collected by NOAA and other providers. The GIS Specialist will provide overall support to this team and assist in the design, development and improvements of all NBS infrastructure and workflows

Baseline Responsibilities:

- Establish requirements for data dissemination platforms.
- Explore programming and modeling methodologies for combining ensemble model results and covered data.
- Build, test, and maintain product modules, components, subsystems and product pipeline workflows.

Key Responsibilities:

- Conduct datum and coordinate reference system research in collaboration with Coast Survey's Hydrographic Systems and Technology Branch;
- Datum definition acquisition and compilation of the required information to support registration of the datum in the Coast Survey Datum Register. Includes outreach to datum holders;
- Develop and code datums as well as compound and 3-dimensional coordinate reference systems used in GIS.
- NBS GIS workflow improvement, including testing of open source GIS infrastructure to support information integrity and throughput while also allowing for human-in-the-loop interaction.
- Bathy Point Store (BPS) review and processing to include: a) create area objects (i.e. geopackages) of anomalies, per BPS survey; b) determine if the survey is systematic; c) if systematic, research in the metadata if Side Scan Sonar was acquired and, if so, how much of the survey is covered; and d) populate coverage, feature, and uncertainty metadata per survey.

Start Date: As soon as possible.

Salary and Benefits: Full time. Salary commensurate with experience, $30.00 to $35.00 per hour. Generous employee benefits.

Location: Work may be performed at one of the NOAA Facilities in Silver Spring, Maryland (NOAA Headquarters); Seattle, Washington; Norfolk, Virginia; or Durham, New Hampshire. If necessary or found feasible by the government, contract staff may also be located at other NOAA facilities. Remote work may be approved on a case-by-case basis.

Required Skills /Education/ Certifications & Qualifications: *If you lack a "Required Skill/Education, etc." but believe you have equivalent credentials, please justify this belief in your cover letter or the application. Applicants with required items will be eligible for higher pay than those less-qualified.*

- Master's in engineering, oceanography, Geographic Information Systems, hydrography, or closely related discipline and a minimum of 2 years of directly related experience; or a Bachelor's degree plus a minimum of 6 years of directly related experience; or 12 years of experience relative to the specific position;
- An in-depth understanding of programming techniques such as python and experience with programs like MATLAB and Fortran;
- An understanding of the design and development of tidal datum transformations within US territorial waters for NOAA's VDatum transformation project (preferred);
- Expertise converting scientific, engineering, and other technical problem formulations to formats that can be processed by computer;
- Familiarity with standard concepts, practices, and procedures of hydrography and hydrographic science to support proper encoding of metrics to drive automated systems;
- Expertise with Microsoft Office applications and Google's collaboration suite (e.g., Docs, Sheets, Slides);
- Strong written and verbal communication skills, including a demonstrated ability to convey complex scientific information clearly and succinctly;
- Excellent organizational skills;
- Strong attention to detail, ensuring that all work is complete, timely and accurate according to policy guidance and standard operating procedures;
- Demonstrated ability to self-manage workload and meet variable (but often short) deadlines for multiple concurrent tasks; and
- Excellent interpersonal skills, particularly the ability to work independently as well as with others to develop, revise, and share information.
- Ability to work effectively both individually and collaboratively in a team/group setting.
- Ability to receive constructive feedback and implement appropriate action.

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If you are interested in being considered for this position, please APPLY THROUGH OUR ADP WEB PORTAL, AT THE LINK AT THE TOP RIGHT OF THIS PAGE.

Only qualified applicants that meet minimum experience or background requirements stated above need apply. When applying for this position you will be asked to upload your resume at the end of this online application.

Applicants should submit a resume that includes the following:

- Cover letter that briefly describes how you meet the required and preferred qualifications listed.
- Work history for the past 10 years or since the last full-time education.
- Education.
- Previous experience or training with similar requirements.
- Three professional references.
- Include your name in the document file name.
- Upload your resume in readable, not scanned, PDF or Word format (PDF is preferred).

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States, complete the required employment eligibility verification document form upon hire, and successfully complete a federal government background check. Ocean Associates Inc. is an Equal Opportunity Employer and does not unlawfully discriminate on the basis of any status or condition protected by applicable federal or state law.

OAI is a government contractor and is required by law to invite applicants to self-identify their race, gender, national origin, disability status and veteran status. OAI is required to use the information it collects as part of its future affirmative action efforts in hiring. The information is collected anonymously by computer and is not connected to your application. You will see a place to check certain boxes in OAI's online application. Even though the information is anonymous, self-identification is voluntary. You can always check the box that says you decline to self-identify.

Note: If you are not selected, your materials may be retained for present or future opportunities. We may use your resume in bidding on a project and if we are awarded the work, we will contact you before seeking further applicants. If you do not wish us to retain or use your resume to seek work for you, please let us know in the "Notes" section on the second page of the online application.

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