Metadata Intern

Axiom Data Science is recruiting for an intern to assist with the generation of robust, high-quality scientific metadata during the summer of 2016. Responsibilities of this position include: providing guidance on authoring metadata for scientific research and monitoring projects; reviewing and evaluating the quality and completeness of metadata written by scientists; communicating recommended metadata quality improvements; maintaining records of project metadata status and progress; and coordinating with scientists and program managers. Depending on the applicant's interests and skills, other responsibilities may include creating or updating data management plans; assisting with the salvage, manipulation, and documentation of historical data sets; supporting users of Axiom's data portals and data management tools; improving metadata documentation for data products created from satellites or environmental models; and scripting or database querying tasks.

This position will primarily support the research projects funded by the North Pacific Research Board's Annual Research Program. The intern may also perform metadata support for several other integrated ecosystem research programs associated with Axiom Data Science and the Alaska Ocean Observing System (AOOS).

Requirements for this position include:
- Bachelor's Degree with coursework in physical, biological, or environmental sciences
- Experience with standardized metadata (MARC, RDA, CSDGM, exif, Dublin Core, etc.)
- Familiarity with responsible data management practices
- Excellent written and verbal communication skills, especially regarding technical information
- Self motivated, independent, and flexible
- Must be comfortable contacting and working with researchers to assist with metadata generation

Prefered Qualifications include:
- Bachelor's Degree in ecological, oceanographic, or biological science
- Experience with standard scientific metadata formats (CSDGM, ISO 19115, EML, Darwin Core, ncml, etc.)
- Coursework completed towards a Master's Degree in library science or a related scientific discipline
- Experience finding and using data from online repositories
- Understanding of data management requirements of funding organizations (NSF, NOAA, NASA, BOEM, EVOSTC, NPRB, etc.)
- Experience with multiple common data formats for collection, analysis, and preservation
- Scripting/programming/database experience

Axiom Organizational Profile

Axiom Data Science is a cyberinfrastructure and informatics firm working towards building a better understanding of society and the environment by increasing the accessibility, reuse, and impact of scientific data. Axiom has a full-spectrum client base including local nonprofit organizations, state and federal agencies, and international integrated research efforts. We manage diverse multidisciplinary spatial and temporal datasets and develop tools to help users access and visualize these resources. We specialize in developing data management systems, intuitive web-based data portals, and scalable solutions for organizing and analyzing large amounts of complex heterogeneous data. In addition to developing elegant and robust tools for users, Axiom also focuses on interoperability systems that allow global networks to communicate and leverage the vast amounts of data available across agencies and institutions. Axiom staff are continually researching and employing new technologies to extend the capabilities of digital information and analysis systems. Axiom is based in Anchorage, AK and has satellite offices in Portland, OR and Providence, RI.

Compensation

The Metadata Intern is expected to be a half-time position during the months of June, July, and August 2016, with a wage of $20.00/hour. Depending on the skills, interests, and availability of the selected applicant there is potential for work of up to 40 hours/week and for work to extend through the month of September.

Please send a cover letter, resume, appropriate writing sample, and three references by May 20th to:

Chris Turner
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