



Axiom

DATA SCIENCE

Axiom Data Science, LLC

<http://axiomdatascience.com/about/>

Title: Environmental Data Scientist

Location: Anchorage, Alaska

Background

[Axiom Data Science](#) is a technology and informatics firm working towards building a better understanding of society and the natural world by increasing the accessibility, reuse and impact of scientific data. This is a mid-level career opportunity for an individual to join an existing team of professionals developing and applying the latest technical solutions to solve geoscientific data management issues. Axiom is a small and quickly growing organization with ~20 staff. We are based in Anchorage, AK and have satellite offices in Fairbanks, AK, Portland, OR, and Wickford, RI. This position is based in the Anchorage office.

Proven experience with community standard open source tools and scientific data formats is important, but inspiration, vision, self-efficacy, motivation, determination and commitment are the qualities Axiom values most. As a small company taking on complex information science challenges, Axiom depends on all employees being multi-talented, imaginative, and resourceful. Staff are provided with the tools they need to perform at their highest potential and rewarded with an employee-focused work environment.

Data science exists at the intersection of three domains: computer science, mathematics/statistics and scientific expertise. We are seeking a candidate who can contribute to each of these domains through prior experience handling and analyzing marine, atmospheric or geospatial data using open-source computational tools such as Python, PostgreSQL, and R.

Core Responsibilities

- Develop routines for extracting, transforming, manipulating, formatting, compiling, and curating large and complex geo-physical and scientific data types;
- Develop and contribute to existing data services on top of large scale scientific datasets;

- Contribute to the translation of scientific data and analytic results into end-user products.

Desired Skills

- 4+ years of relevant experience with a spectrum of scientific data formats;
- Degree in computer science, statistics, mathematics, or similar quantitative discipline; or a degree in the physical/environmental sciences with proven quantitative and programming experience;
- Experience working within Linux;
- Experience with programming for data processing (e.g., Python, PostgreSQL, R, and/or Java);
- Experience with managing data from stationary and moving platforms (e.g., sensors, gliders, profilers, etc.);
- Experience with basic concepts of software engineering (e.g. source control, continuous integration tools, unit testing and coding best practices);
- Experience with geospatial databases and formats for large datasets (e.g., GeoTIFF, ESRI Shapefile/geodatabase, NetCDF, GeoJSON, etc.);
- Understanding of GIS concepts such as rasters, vectors, projections and spatial operations;
- Willingness to dive in and embrace other aspects of our technology stack: *Docker, Ansible, Git, MongoDB, Gluster, InfiniBand, Elasticsearch, Prometheus, Redis, Apache Spark, TimescaleDB, D3.js, Dask.*

Compensation and Benefits

Salary dependant upon experience and ability. Benefits include five weeks paid leave, holidays, health benefits, 401K contributions, and a rock gym membership.

Application Materials

Send a copy of the required and recommended application materials by **October 12, 2018** to: careers@axds.co

Required

- Resume
- Cover Letter

Recommended

- Links to projects you have worked on and explanation of your role;
- Link to relevant personal website and/or projects;
- Examples of expertise of open source participation (e.g., GitHub, StackOverflow).