



# Geospatial Analyst - Remote Sensing & GIS

Conservation Biology Institute  
Corvallis, Oregon, Remote optional

[Conservation Biology Institute](#) (CBI) is hiring a full-time, permanent geospatial analyst to be a core technical member of our remote sensing and spatial modeling team. You will work closely with colleagues to apply a range of tools and technologies to create customized spatial products for conservation, restoration, planning, and natural resource management.

## About the position

We are looking for a geospatial analyst with a strong background in GIS and remote sensing, demonstrated skills working with ArcGIS ModelBuilder and [Google Earth Engine \(GEE\)](#), the ability to communicate results clearly to expert and non-expert audiences, and an interest in working closely with a core team to translate cutting-edge science into effective, real world conservation solutions.

You will work on a diverse set of projects alongside other team members to acquire and evaluate spatial data, create metadata, perform robust, innovative spatial modeling and remote sensing analyses, document your methodologies/code, and clearly communicate results through writing, visualizations, and maps to a diverse audience, including decision-makers and non-scientists.

While this position is focused on core technical GIS, remote sensing, and spatial modeling tasks, there is an opportunity for coordinating with clients and stakeholders, grant writing, and project management, in alignment with the candidate's skills and organizational needs. Projects can span terrestrial applications, as well as freshwater and marine systems; a growth area for CBI is spatial planning for renewable energy development and sustainable recreation management.

Position is full-time permanent, remote optional.

## About us

CBI is a non-profit with a mission to conserve biological diversity and build a more sustainable world. We are a cohesive group of scientists, geospatial analysts, spatial modelers, and software engineers. The geospatial team works closely with other CBI staff, as well as external clients, to develop solutions to complex, spatially related problems in order to help support conservation, mitigation, and recovery efforts both locally and around the globe. We build models, write scripts, and develop custom tools and decision support systems to help achieve this objective. We work closely with our software development team to generate high-quality datasets that can be consumed by [Data Basin](#) (our collaborative science-based environmental spatial data platform) as well as by our [custom web-based mapping applications](#). CBI is committed to attracting and retaining a diverse staff; we strive to create and maintain a working environment that is inclusive, equitable and welcoming.

## Requirements

We are looking for applicants with 2+ years of real-world work experience in geospatial analysis and remote sensing applications, with a post-baccalaureate GIS certificate or M.S. preferred. You should be knowledgeable in GIS and remote sensing, and proficient in ESRI ArcGIS (incl. ModelBuilder) and the [Google Earth Engine \(GEE\)](#) platform. You should be comfortable working with diverse spatial and tabular data, as well as independently learning and applying new approaches/tools on-the-job. We use the following technologies in our work: ArcGIS, GEE, EEMS, Python, R, and various other GIS tools and software libraries, (e.g. Maxent, Marxan, LANDIS-II, QGIS). We often take an iterative approach to project work, which requires close collaboration with team members to undertake analysis/modeling and to deliver results to clients through writing, visualizations, and maps.

## Compensation

The salary range for this position is \$65k - \$75k depending on experience. Benefits include: medical, dental, vision, life, and disability insurance; paid vacation, holiday, and sick days, employer matched Simple IRA retirement plan, and flexible work schedules. We are looking to hire for near-term start dates (winter 2022).

## Apply: November 15th Deadline

We are interested in every qualified candidate who is eligible to work in the United States but are not able to sponsor visas. You must be fluent in English and available to work during our core business hours: 9 am to 5 pm PST/PDT.

Please email the following to [geospatial@consbio.org](mailto:geospatial@consbio.org), in a zipped folder labeled with your name:

1. Résumé
2. Why you're interested in this position, our organization, and how your past experience relates.
3. Examples of your work that you're able to share with us via a web portfolio (and/or GitHub, Stack Overflow, etc.)
4. On a separate page, please describe how you'd go about solving a complex geospatial analysis problem you haven't encountered before; what resources and processes would you employ?

CBI provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.