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# Job Description

**Job Title:** GIS Intern, Coral Triangle Atlas

**Job ID:** 11446

**Location:** Hawaii

**Full/Part Time:** Full-Time

**Regular/Temporary:** Temporary

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**OFFICE LOCATION**

Honolulu, Hawaii

**ABOUT US**

The Nature Conservancy is the world's leading conservation organization, working in all 50 states and more than 33 countries. Founded in 1951, the mission of The Nature Conservancy is to preserve the plants, animals and natural communities that represent the diversity of life on Earth by protecting the lands and waters they need to survive.

**POSITION SUMMARY**

The Nature Conservancy is entering its fourth year of offering internships intended to increase the diversity of our staff. Our 2010 Summer Diversity Internship program seeks to enrich and diversify the field of conservation through paid internship opportunities to students currently underrepresented in the conservation field. The internships offered cover a wide range of fields and are available in locations throughout the U.S. and will begin June 7, 2010.

**ESSENTIAL FUNCTIONS**

Essential functions can vary according to candidate's GIS skills.

Document existing datasets. This involves filling metadata information for existing GIS layers by researching through reports or contacting the appropriate organization.
For example:
a. TNC Conservation Assessments. The GIS layers are neither well documented nor organized for easy query and analysis. The metadata requires completion, including keywords for easy queries.
b. The Coral Triangle Atlas has created a standard for metadata which is not met by the spatial layers created by the Indonesia and Melanesia team. Identify gaps and work with these teams to fill the information.

Create new GIS layers from existing sources:
a. Rapid Ecological Assessments (REAs): create a relational database, extract the survey data, create spatial layers to upload in the Coral triangle Atlas.
b. Extract layers from MARXAN analysis and create geo-databases for all the sites in which TNC is involved in the Coral Triangle.
c. Work with public data and adapt these to the Coral Triangle, in particular oceanography data that is being used in climate change analysis. This includes currents, sea surface temperature, areas of upwelling and other data previously identified.

**BASIC QUALIFICATIONS**

Bachelor's degree in Environmental Science or GIS
One year experience working in GIS (i.e.; undergraduate/graduate project, previous internship)

**ADDITIONAL JOB INFORMATION**

REQUIRED KNOWLEDGE AND SKILLS:
Software:
• ESRI ArcINFO v. 9.1 or 9.2
• Excel
• Access (preferred)

Knowledge:
• Basic knowledge of marine ecology - required
• Knowledge of coral reef ecology and monitoring methods – preferred
• Knowledge of Marine Protected Area - preferred

COMMUNICATIONS/INTERPERSONAL CONTACTS:
• Ability to work independently and taking initiatives.
• Ability to work in a multi cultural team.

WORKING CONDITIONS/PHYSICAL EFFORT:
• No field work required.
• Internship may involve travel to Bali to work in the TNC Indonesia office.

**BENEFITS**

The Nature Conservancy offers competitive compensation, excellent benefits, flexible work policies and a collaborative work environment. We also provide professional development opportunities and promote from within. As a result, you will find a culture that supports and inspires conservation achievement and personal development, both within the workplace and beyond.

**SALARY INFORMATION**

Beginning at $12/hour

**HOW TO APPLY**

To apply to position number 11446, submit resume AND cover letter as one document, including at least 3 references. All applications must be submitted in the system prior to midnight Eastern Time on November 13, 2009.

Failure to complete all of the required fields may result in your application being disqualified from consideration. The information entered in the education and work experience sections are auto screened by the system based on the basic qualifications of the position.

You must click submit to apply for the position. Click save if you want to be able to return to your application and submit it later. Once submitted, applications can not be revised or edited.

**EOE STATEMENT**

The Nature Conservancy is an Equal Opportunity Employer.

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