

FRESHWATER DATA ANALYSIS INTERN

We are seeking a promising and self-motivated Freshwater Data Analysis Intern to support the long-term growth and success of Conservation International's work in the Asia-Pacific region for a period of 3-6 months. The intern will have the opportunity to work alongside Conservation International's Global Freshwater Science team as well as colleagues from the Asia-Pacific Field Division to support regional analysis of freshwater ecosystems and analyzing results from hydrological models and field surveys.

The Conservation International Internship Program is open to undergraduate or Master's level students in local universities reading Environmental Management, Water Resources Management, Civil Engineering, or related fields.

About Conservation International

Conservation International works to spotlight and secure the critical benefits that nature provides to humanity. Since our inception in 1987, we've helped to protect more than 6 million square kilometers of land and sea across more than 70 countries. Currently with offices in 29 countries and 2,000 partners worldwide, our reach is truly global. Building upon a strong foundation of science, partnership, and field demonstration, Conservation International empowers societies to responsibly and sustainably care for nature, our global biodiversity, for the well-being of humanity.

In Singapore, Conservation International envisions a vibrant, resilient and sustainable city for generations to come and aims to empower the community to protect nature through individual and collective action. Conservation International Singapore's country program is focused on community engagement and education, capacity building through student internships, and exploring and supporting innovative solutions for conservation science and research.

Conservation International Values

We expect that all employees will embrace the values of our organization:

- **Passion:** Inspired by people and by nature, we are urgently compelled to drive change for a sustainable future.
- **Integrity:** We are honest, transparent and accountable for our actions.
- **Teamwork:** We work together as one Conservation International, recognizing that inclusion, collaboration and cooperation are fundamental to achieving a healthy and prosperous world for all.
- **Respect:** We respect each other and work to earn trust, valuing our diversity of cultures, talents, and experiences.
- **Courage:** We pursue our vision, taking bold action, persevering and overcoming challenges.
- **Optimism:** We are optimistic about the capacity of people to be caring, generous and brilliant, and believe that with partners, we can inspire humanity to create a better future.

Location

Singapore (hybrid-working)

Must have stable and secure internet access at home for work.

About the Project

Conservation International leads the development and application of the [Freshwater Health Index](#) (FHI), a web-based tool that measures system health by making clear connections between freshwater ecosystems, the benefits they provide to people, the governance system in place, and is an indicator-based system of assessing basin conditions.

The FHI leverages considerable experience in synthesizing social and ecological data, developing indicator-based decision support tools and working at the intersection of conservation and human development. It assesses three dimensions of freshwater health: Ecosystem Vitality, Ecosystem Services, and Governance and Stakeholders, and is being applied in the Lower Mekong (Laos, Vietnam and Cambodia) and in China's Poyang Lake and Dongjiang basin in the Asia-Pacific. We continue to develop the FHI, updating and improving methods and providing advanced resources for users. This includes R package and scripts in Python and Google Earth Engine.

About the Role

Working with the Director of Hydroinformatics based in Singapore, Conservation International's Global Freshwater Science team and Asia-Pacific Field Division, the intern will provide support in the following areas:

- Regional analysis of freshwater ecosystems considering various dimensions (such as size, biodiversity, stress, etc.).
- Site-specific analysis bending results from hydrological models and field surveys.
- Framework for serving analysis results in an interactive manner using web apps or story-maps.

Qualifications

- Current enrolment in a Singapore university (or gap year), reading an undergraduate or Master's degree in Environmental Management, Water Resources Management, Civil Engineering, or related fields.
- Advanced mathematical skills.
- Good understanding of information technology with coding skills (R, Python, JavaScript).
- Experience and interest in water resources, hydrology, or freshwater ecology.

Desirable Qualities

- Experience working with geospatial data will be an advantage.
- Strong analytical skills. Able to absorb and synthesize new information quickly.
- A collaborative, solution-focused approach, with good communication skills.
- Independent thinker and worker.

Benefits

The intern will be provided with a monthly stipend of SGD 1,000 for a 5-day work week.

Application

To be considered for this internship, please apply to singapore@conservation.org with the subject “**Application: Freshwater Data Analysis Intern – [full name]**” and the following attachments:

- Curriculum vitae.
- Cover letter, which should include the applicant’s interest in working with Conservation International’s field programs in the Asia-Pacific and any relevant experience working in an NGO or environmental conservation setting.
- Period of availability (indicate availability in your cover letter).
- Writing samples and transcripts.

Shortlisted candidates will be invited for an interview.