

## 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 Greater Mekong region for a period of 3-6 months. The intern will have the opportunity to work alongside Conservation International's team in Cambodia to support data comparison and analysis as well as the integration of methods and various indicators in the ongoing Freshwater Health Index (FHI) assessments in the Tonle Sap and Mekong Basin.

The Conservation International University Internship Program is open to undergraduate 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 CI, 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 (remote-working)

Must have stable and secure internet access for work.

### **About the Project**

Conservation International leads the development and application of the Freshwater Health Index, an indicator-based system of assessing river basin conditions. The FHI assesses three dimensions of freshwater health: Ecosystem Vitality, Ecosystem Services, and Governance and Stakeholders. Conservation International has undertaken FHI assessments around the world including the Tonle Sap and 3S basins (Sesan, Srepok, and Sekong) in the Mekong River catchment, the Poyang Lake and the Dongjiang basin in China. We continue to develop the FHI, updating and improving methods and providing advance resources for users. This includes R package and scripts in Python and Google Earth Engine.

For further information see <http://www.freshwaterhealthindex.org>.

### **About the Role**

Working with Freshwater Manager and CI's team in Cambodia, the intern will provide support in the following areas:

- Using data from the Tonle Sap and 3S sub-catchments of the Mekong Basin to compare the performance of competing river flow modification indices.
- Coding the various methods for comparison and potential integration into the FHI suite of recommended indicators.
- Determining other indicators for inclusion in the ongoing Tonle Sap and 3S FHI assessments.

### **Qualifications**

- Current enrolment in a Singapore university (or gap year), reading an undergraduate degree in Environmental Management, Water Resources Management, Civil Engineering, or related fields.
- Experience and interest in water resources, hydrology, or freshwater ecology.

### **Desirable Qualities**

- Good understanding of information technology with coding skills (R, Python, JavaScript).
- Experience working with geospatial data will be an advantage.
- Advanced mathematical skills.
- 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](mailto:singapore@conservation.org) with the subject “**Application: Freshwater Data Analysis Intern – [full name]**” and the following attachments:

1. Curriculum vitae.
2. 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.
3. Period of availability.

Shortlisted candidates will be invited for an interview.