UNIVERSITY INTERNSHIPS 2021
GIS AND SPATIAL ANALYSIS INTERN

Primary location
Singapore and remote-working

Duration
3-6 months

Number of positions
1

Organisation description
PEOPLE NEED NATURE — 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 kilometres 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.

About the project
CI works to conserve the “fish basket” and “rice bowl” of Asia, spanning from Cambodia all the way up to China, where 300 million people rely on the ecosystem services of the Mekong River. Through working with governments and communities from China to Cambodia CI protects the forests and wetlands that feed the system, to minimise the impact of forest degradation and loss as well as dams and other water diversions, and to improve management of fisheries to ensure that the Mekong basin can continue to feed millions sustainably.

Supporting the Greater Mekong Landscape Programme supports the conservation and management of protected areas and their species and habitats. A key part of this effort entails significant monitoring of forest cover change using remote sensing. We also support the development of sustainable livelihoods in the communities in and around these important areas. Using spatial analysis to better understand the drivers of deforestation is a powerful tool to help improve conservation.

https://www.conservation.org/places/greater-mekong

About the role
Working with the Landscape Manager and Team of CI Greater Mekong, the intern will develop detailed maps of agricultural land cover within project sites throughout Cambodia. The anticipated output will be a series of maps and associated data with detailed crop specific land cover. Additional analyses could include identifying crop specific drivers of recent deforestation.

Qualifications
- Reading an Undergraduate or Master’s degree in Geography, Earth Systems Science, Spatial Analysis, or related fields
- Proficiency in spatial analyses, mapping, and the use of remote sensing and associated software (e.g. ArcGIS, QGIS, Google Earth Engine)
UNIVERSITY INTERNSHIPS 2021
GIS AND SPATIAL ANALYSIS INTERN

Desirable skills

- Independent thinker and worker
- Advanced analytical skills
- Experience with statistical modelling
- Interest in forest management and mapping

Benefits and others

The intern will be provided with a monthly stipend of SGD 800-1,000 for a 5-day work week.

If the internship requires travel, the intern can expect to receive a modest travel grant. However, all travel will be highly dependent on prevailing COVID-19 restrictions, programmatic needs, and available funding.

Application

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

1. Curriculum vitae.
2. Cover letter, which should include the applicant’s dates of availability, interest in working with Conservation International’s field programmes in the Asia-Pacific, and any relevant experience working in an NGO or environmental conservation setting.
3. Period of availability.