

Job: Full-time paid interns wanted to conduct wildlife (fauna) surveys and other tasks to determine environmental benefits of Dense & Green buildings in Singapore.

We are looking for two full-time paid interns to together conduct fauna surveys at green spaces on and around buildings in Singapore. The position will also require assisting in other aspects of the environmental benefits package under the Dense & Green Building Typologies project at the Singapore ETH centre in CREATE at University Town NUS (see details below).

Project description:

The Dense & Green Building Typology research team at the Future Cities Laboratory (FCL) investigates new building typologies with public and green spaces in high-density urban environment in terms of their environmental, social, architectural/urban and economic benefits. The findings will be integrated and translated into strategies and guidelines for architectural design and urban planning. The project is jointly led by ETH Zürich and Singapore University of Technology and Design (SUTD). The duration of the project is 3 years. More information about the project can be found under <http://www.fcl.ethz.ch/module/dense-and-green-building-typologies/>

Responsibilities:

Successful applicants will:

1. Visit selected buildings in Singapore's urban areas to:
 - a. Identify fauna in and around buildings, and in adjacent natural ecosystems
 - b. Assist in collecting data from temperature sensors and complete 3D terrestrial laser scanning of plants
2. Conduct desk based research at FCL in CREATE (NUS University Town):
 - a. Reviewing literature to contribute to a database outlining the environmental benefits of plant and animal species
 - b. Create basic maps and basic statistics on species distribution, area and abundance
 - c. Provide qualitative (and if possible) quantitative results on habitat connectivity
 - d. Collecting (online) economic and environmental data of buildings incorporating plants

Requirements of Candidates

We expect successful applications to:

- Have a strong enthusiasm for environmental research
- Have existing fauna identification skills (preferably identifying either birds, butterflies or reptiles, although candidates with experience identifying other fauna groups will also be considered)
- Have the ability to work independently on-site and in the office with guidance from project members, and be able to communicate their ideas for the project with team members
- Be existing undergraduate students, preferably studying a BSc and enrolled in an environmental science or ecology course
- Certain basic skills are required (using Microsoft Word, Excel, Outlook, etc.).

An ability to use ArcGIS and R would also be a bonus but we can give training on how to use this software if required.

The expected start dates for the positions are at the beginning of student's summer vacation, but the position will be available from March 2017. We will contract successful applicants for a minimum of 3 months, potentially extending the contract to 4 months. The particular working schedule will be dependent on the fauna groups studied.

Benefits:

The successful applicants will receive:

1. Fixed monthly payments of S\$ 1,500
2. First-hand experience with urban architectural and ecological research related to green spaces, within an international team at an internationally recognised department.
3. Experience using terrestrial laser scanners for plant density quantification

Supporting documents for application:

Curriculum Vitae highlighting relevant skills (including relevant university modules undertaken with knowledge gained) as well as a brief statement on personal interests are required for this application.

For further information about the position, please contact Richard Belcher (belcher@arch.ethz.ch)

Work location:

1 Create Way, CREATE Tower, Singapore 138602 (NUS University Town)

The Singapore-ETH-Centre is an equal opportunity and family-friendly employer. All candidates will be evaluated on their merits and qualifications, without regards to gender, race, age or religion.