

Automated image identification as a tool for ecological monitoring

PROJECT DESCRIPTION

Increasingly, ecological monitoring is relying on recording devices to evaluate the state of the environment. This has created a vast amount of data that is being underutilized. Our lab is working to automate identification of animals, plants, and lichens from cameras, mass spectrometry, and audio devices as part of our WildTrax software program. We are looking for students with a strong background in biology and computers to help us develop tools based on deep learning algorithms to automate identification of species in complex environments.

FACULTY-DEPARTMENT

Science - Biological Sciences

OPEN TO STUDENTS FROM THE FOLLOWING INSTITUTIONS

Chinese universities participating in the [*Double First-Class Initiative*](#).

DESIRED FIELD OF STUDENT STUDY

Ecology with a strong background in computers

INTERNSHIP LOCATION

Edmonton Campus

NUMBER OF INTERNSHIP POSITIONS

1

INTERNSHIP DATES

Start: July 2, 2019

End: October 2, 2019

ARE THE DATES FLEXIBLE?

Yes, I am flexible regarding the internship dates. Selected students can contact me to request a date change.