**Stephen R. Chang**

**Personal Information**

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**Education**

2020-Present MS Student, Graduate Degree Program for Ecology

2017 GIS Graduate Certificate, University of Wisconsin Madison

1. Bachelor of Science, Zoology and French, University of Wisconsin Madison

**Research Interests**

Land Tenure, Land Use and Land Cover Change, Landscape Ecology, Remote Sensing

**Research Experience**

2020-present Colorado State University – MS Thesis

My thesis research examines the link between land tenure systems and landcover change in rural Madagascar. I attended one virtual conference

2017 University of Wisconsin - Capstone Research Project

The capstone project for my GIS graduate certificate involved the use of high-resolution aerial photography to detect the defoliation of spruce and fir by spruce budworm in northern Wisconsin. I was advised by academic faculty in Zuckerberg and Townsend labs. I performed a thorough literature review and created an academic poster

2014 School for International Training - Independent Study Project

During my study abroad program in Madagascar, students completed a final capstone research project. I studied two aspects of the reforestation efforts of an NGO in Madagascar’s tropical forest including: 1. the survival rate of planted trees, and 2. the efficiency of seed collection that supports the effort.

**Professional Experience**

2020-present Colorado State University

Graduate Teaching Assistant

Assisted the instruction of the following courses: “Mapping, Cartography, and Spatial Thinking” ; “Remote Sensing and Image Interpretation” ; and “Spatial Analysis with GIS”

1. Colorado Parks and Wildlife

Biological and Field Technician

In support of management plans for the Resource Stewardship office, I performed a literature survey of marmot ecology. I wrote a report summarizing the results and context of marmot burrow monitoring performed in Colorado’s State Parks.

1. Playa Lakes Joint Venture

GIS intern

While working in the GIS department of PLJV, I was able to collaborate with staff to create data analysis tools to support bird conservation and research in the high plains region. I worked on a habitat carrying capacity calculator using Google’s Earth Engine and a wind energy infrastructure analysis that identified wetlands potentially impacted by turbines

**Awards and Honors**

Spring 2015 Hugh A Smith award.

This award is given to one student annually by the French Department.

Spring 2013 Deans List

Things to add:

* Grad school dean’s list
* FRSES Participation & volunteerism
* APACC Scholarship committee