

HAOYU (ANDREW) WANG

hywong@umich.edu | 8613143123094 | LinkedIn: www.linkedin.com/in/haoyu-wang-file

EDUCATION

University of Michigan School for Environment and Sustainability (SEAS) (Ann Arbor, MI)

Master of Science, Conservation Ecology & Environmental Informatics, August 2018

Beijing Normal University – Hong Kong Baptist University United International College (Guangdong, China)

Bachelor of Science, Environmental Science, September 2014

Academic Honors: Dean's List, President's Honor Roll; College Second Class Scholarship (Fall 2016, Spring 2017); College First Class Scholarship (Fall 2017, Spring 2018);

Leadership: Teaching Assistant of voluntary service in the class of Environmental Awareness

SKILLS SUMMARY

Technical (*based on the Microsoft Windows*):

ESRI ArcGIS 10.6/Pro; Hexagon Geospatial ERDAS IMAGINE; Google Earth Engine;

IBM SPSS; R Statistics; Python Jupyter Notebook;

Microsoft Office (intermediate) Word, Excel, PowerPoint

Languages: Mandarin (speaking and writing: fluent); English (speaking and writing: fluent)

EXPERIENCE

E-blues Environmental Protection Co., Ltd, Intern (Yantai, China) July 2016 – August 2016

- Assisted advisor with the collecting of the materials of clients and the operation of laboratory assay
- Assisted with the plant practice of the pipe installation of detoxifying materials

Agricultural Bureau of Rushan City, Student Researcher (Rushan, China) December 2016 – February 2017

- Evaluated the non-point source pollution resulted from the large-scale development of livestock and crop farming

BNU-HKBU United International College, Student Researcher (Zhuhai, China) March 2017 – April 2017

- Reviewed the annual change of the quantity of four major Chinese carps and their larvae in the past decade
- Analyzed the reasons of depletion regarding to the land, soil, water, and commercial resources of the Yangtze River
- Compared the temporal & spatial variation of the growing environment of *Halophila beccarii* in the Pearl River Estuary
- Studied possible protection and mitigation plans related to seagrass conservation

Trinity University, Student Researcher (San Antonio, TX) July 2017 – August 2017

- Assisted with preparation for field trips and indoor courses
- Provided tutoring and mentoring to both Chinese and American students in their coursework with data collection, data analysis/management, graphic construction, and poster development
- Collected green anole behavioral and habitat data at Palmetto State Park and campus area
- Presented ANOVA results in 12th Annual Summer Undergraduate Research Conference

Texas Ecolab, Co-researcher (San Antonio, TX) July 2017 – August 2017

- Performed open field tests to measure the latency and frequency of locomotor movements of lizards
- Found that relationship between energy utilization and behavioral activity may differ among similar species of lizards

Institute for Fishery Research (MDNR), Research Assistant (Ann Arbor, MI) December 2018 – May 2019

- Assisted the project for Michigan's Office of Great Lakes focused on prioritization of restoration in the St. Clair River – Detroit River System
- Utilized ArcGIS 10.6 & Pro to identify project coordinates and performed spatial analysis to project areas

Meha Jain Lab, Master's Student (Ann Arbor, MI) March 2019 – present

- Utilizing high-resolution satellite images in Google Earth Engine to classify conventional and conservative agricultural fields in Mexico

PUBLICATIONS

Published – July 2017

Lu, Z. N.^{*}, Wang, H. Y., Zhang, L. C., Yu, X. Y., & Sun, D. L. (2017). Ecological study of the environmental contamination on agricultural land in Rushan, Shandong Province. *The Farmers Consultant*, 552(7), 236.