

SUNG-KANG (KEN) YEH

yehsungk@msu.edu; kenyeh@umich.edu | (919) 636-1343 | 2729 Arrowwood Trl, Ann Arbor, MI 48105

EXPERIENCE

- 2013-present **Department of Fisheries and Wildlife, Michigan State University** **East Lansing, MI**
Institute for Fisheries Research, Fisheries Division, Michigan DNR **Ann Arbor, MI**
Research Analyst
Apply spatial distribution models in identifying potential aquatic habitats for Species of Greatest Conservation Need (SGCN) in preparation of the Michigan State Wildlife Action Plan.
Design and develop web-mapping applications for aquatic habitat systems, informing decisions in natural resource management.
- 2010-2013 **Nicholas Institute for Environmental Policy Solutions, Duke University** **Durham, NC**
Research Assistant
Combined geospatial modeling and mathematical optimization in identifying the optimal solutions for projects in renewable biogas and carbon capture and storage (CCS) policy feasibility research.
- Fall 2010 **Nicholas School of the Environment, Duke University** **Durham, NC**
Geospatial Analysis Teaching Assistant
Led weekly lab sessions, assisted with grading, and managed class of 100+ students.
- 2009–2010 **Tropical Conservation Center, Duke University** **Durham, NC**
Fellowships Research Assistant
- Spring 2009 **Biodiversity Research Center, Academia Sinica** **Nangang, Taiwan**
National Science Council Research Associate
- 2008-2009 *Environmental Communication Editor, Taiwan Environment Information Center.* **Taipei, Taiwan**
- 2007-2008 **Second Lieutenant. ROC Army**

EDUCATION & CERTIFICATION

- 2018 **Geospatial Information System Professional (GISP), GIS Certification Institute (GISCI)**
- May 2012 **Nicholas School of the Environment, Duke University** **Durham, NC**
Master of Environmental Management
Certificate for Geospatial Analysis
Master Project: An evaluation of existing North Carolina Natural Heritage Program Conservation Planning Tool (NC-NHP-CPT) with a geospatial, multi-criteria decision-support approach on land prioritization system.
- Spring 2010 Conservation GIS class project: Predicted and evaluated the potential California Condors reintroduction sites using species distribution models and threat analysis.
- May 2007 **College of Life Science, National Taiwan University** **Taipei, Taiwan BACHELOR OF SCIENCE**

CONSERVATION TOOL, CONFERENCE PRESENTATION AND PUBLICATION

- 2019 - Present **MGLP Conservation Planner**
Midwest Glacier Lake Partnership (MGLP) is a regional collaboration between agencies and NPOs providing scientific assessments for conservation of fish habitats and public outreach, as part of national initiatives under National Fish Habitat Partnerships (NFHP). The Conservation Planner is an interactive dashboard providing information on management guidelines for the lakes within partnership boundary.
- 2016 - Present **Status and Trends Inland Lake Habitat Viewer**

An effort between state agencies and NGOs to promote public engagement in lake habitats conservation by providing agency survey data and guidelines for applying watershed management grant.

2016 – Present **Great Lake Aquatic Habitat Framework (GLAHF) Explorer**

GLAFH Explorer serves as a portal for accessing data provided under the framework and tools for informing management decisions, promoting research of the great lakes through the standardized geospatial data of the great lakes.

2015 - Present **MiFISH**

A public-facing map viewer providing information on fishing regulation and accessing public waters.

2014 - Present **Aquatic Habitat Viewer**

A mapping platform with in-depth information and reports (fish assembly, hydrography, regulations) of Michigan waters, assisting biologists in reviewing permits and generating reports.

2014 **74th Midwest Fisheries and Wildlife Conference**

Kansas City, MO

Presentation Topic: Using MaxEnt Models to Identify and Prioritize the Potential Habitats of Inland Fish Species of Greatest Conservation Need in Michigan.

Nicholas Institute for Environmental Policy Solutions

Durham, NC

2013 A spatial-economic optimization study of swine waste-derived biogas infrastructure design in North Carolina

2012 OptimaCCS Carbon Capture and Storage Infrastructure Optimization North Carolina Case Study

2011 OptimaCCS Carbon Capture and Storage Infrastructure Optimization: Texas Case Study