Aaron Kamoske

Department of Geography
Michigan State University
673 Auditorium Road, Rm 11
East Lansing, MI 48824

tel: 406.396.2640
email: akamoske@gmail.com
web: akamoske.github.io

EDUCATION

Current	PhD Student. Geography, Environment, & Spatial Sciences - Michigan State University. *Dissertation*: From leaf to landscape: Ecological remote sensing of forest function and structure. *Committee*: Kyla Dahlin, Scott Stark, Ashton Shortridge, David Rothstein
2015	B.S. Natural Resource Conservation. - University of Montana, College of Forestry.
2015	Undergraduate Certificate. GIS Sciences and Technology - University of Montana.

RESEARCH FOCUS

My research examines the influences of environmental and anthropogenic controls on terrestrial ecosystem processes through the use of imaging spectroscopy and LiDAR remote sensing, spatial statistics, ecological modeling, and field sampling. While my work primarily focuses on closed canopy forests, I also maintain an interest in grasslands and semi-arid ecosystems.

POSITIONS HELD

Aug. 2016 - *present*	Teaching Assistant at Michigan State University *Advanced Remote Sensing (GEO 424) lab instruction and guest lecturing. Spring semesters.*
Aug. 2016 - *present*	Research Assistant at Michigan State University *Air- and space-borne remote sensing. R & Python. Landscape ecology. Forestry fieldwork.*
Mar. 2016 – Aug. 2016	Lead Cartographer at Panthera / University of Montana *Production cartography team lead. Project coordinator.*
Mar. 2015 – Mar. 2016	GIS Technician at Panthera / University of Montana *Spatial data creation team lead. Production cartography.*
May. 2014 – Aug. 2015	Range Technician (Monitoring) at the Bureau of Land Management *Vegetation monitoring (team lead for one summer). GIS analysis. Summer field seasons.*
Sept. 2014 – May 2015	Office Support at the Arthur Carhart National Wilderness Center *Wilderness management course preparation. Course usage analysis.*

TEACHING EXPERIENCE

Graduate Teaching Assistant, Michigan State University
Geography 424: Advanced Remote Sensing. Spring 2017.

Lab Instruction, Michigan State University
Geography 424: Advanced Remote Sensing. Spring 2017.

FIELD EXPERIENCE AND RESEARCH VISITS

Harvard Forest, Massachusetts (2017). *Foliar sampling for chemical analysis, species mapping, and hemispherical photography.*

Smithsonian Environmental Research Center, Maryland (2017). *Foliar sampling for chemical analysis, species mapping, and hemispherical photography.*

Bureau of Land Management, Western Montana (Summer 2015, 2016). *Invasive plant surveys, long-term vegetation monitoring. Habitat typing.*

PRESENTATIONS

2017 **Kamoske A**. Ecological remote sensing: Using computers to ask questions about our planet. Research Experiences for Undergraduates (REU), Spatial and Community Ecology Lab Presentation, East Lansing, MI.

2016 Dahlin KM, Swenson SC, Lombardozzi D & **A Kamoske**. Seasonality of semi-arid and savanna-type ecosystems in an Earth system model. American Geophysical Union (AGU) Fall Meeting, San Francisco, California

WORKSHOPS DEVELOPED

2017 Nagelkirk, R & **A Kamoske**. Practical Programming with R. Three-session course covering analysis with rasters, shapefiles, point data, and CSV spreadsheets for 25 graduate students at Michigan State University.

MENTORING EXPERIENCE

2017 Mentored two undergraduate students in using remote sensing for ecological research, field data collection, graduate school applications, and career goals.

HONORS AND AWARDS

Graduate Office Fellowship (2017, Michigan State University) - $800

Graduated with High Honors (2015, University of Montana, College of Forestry)