

Michael J. Michalek

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Education

Northern Michigan University
B.S. Geographic Information Science

Marquette, Michigan
2008 – Present

Minors: Physical Geography and Outdoor Recreation

Courses: Remote Sensing, Spatial Analysis, Computer Cartography, Geographic Information Systems, Software Development I, Computer Science I, Computer Concepts, Computer Information Systems, Geomorphology, Soils, Weather and Climate, Oceanography, Introduction to Maps, Introduction to Geographic Research, Quantitative Methods, Physical Geology, Physical Geography, Human Geography, North American Geography, Introduction to Environmental Science

Research Experience

Lake Superior Directed Study

Collected sources and monitoring information on aspects of Lake Superior then completed a literature review for Dr. Sundell (Director of NMU's Environmental Science Program).

Holocene Geography Internship

Mapped and researched possibilities of a drainage from early Lake Minong to Lake Chippewa during the Holocene Era in Michigan's Eastern Upper Peninsula with Dr. Loope (USGS Ecologist).

Alger County Conservation District Internship

Created quality maps for the Munising Bay Functional Riparian Zone Project and assisted in the teaching of workshops that help different units of government realize and implement the potential of geographic information systems and global positioning systems.

Professional Development

- Presented at an American Association of Geographers: West Lakes Conference at DePaul University
- Gamma Theta Upsilon International Honor Society in Geography Member
- Attended a Lake Superior Bi-national Forum conference in Cloquet, MN
- Ronald E. McNair Post-Baccalaureate Achievement Program Participant
- Superior Edge Volunteer (activities that complement classroom instruction)
- Awarded the Filmore C.F. Earney Scholarship
- Student Support Services Advisory Board Participant
- National Wildfire Certificate of Training (S-130, S-190, I-100, L-180)
- Michigan DNR Hunter and Boater Safety Certificates
- Michigan Department of Career Development Silver WorkKeys Certificate of Achievement
- Michigan DNR emergency disaster work in Saginaw, Michigan
- Human Relations Retreat - Camp Pendalunon
- Taught a Critical Thinking Presentation to a Freshman Seminar class

Computer Skills

ArcGIS 9.3.1/10: ArcMap, ArcCatalog, ArcScene, ArcGlobe, ArcTollBox, ArcPad

AutoCAD, Visual Basic, Java Coding, Microsoft Office 2007, Multi-Media Production, Microsoft Expression, Zotero

Work Experience

Parks and Recreation Division, Michigan Department of Natural Resources

2007 – 2010

Summer Ranger

Duties: Lawn Mowing, Mower Repair/Upkeep, Trimming, Clean Outhouses, Picked Up Trash, Drive State Vehicles, Hauled Trailers, Wood Chipping, Removed Trees, Construct Parking-lots, Planted Grass Seed, Painting, Repair Skid-Piers, Elevated Branch Cutting, Putting in Signs, Shingling, Put up Aluminum Siding, Hauled Stone, Sweep/Mop, Poured Cement, Trapped and Transported Geese

Publications and Presentations

Michalek, Michael and Walter Loope. "Evidence for an Early Holocene channel connecting the present day Tahquamenon and Manistique Rivers, eastern Upper Michigan, USA." DePaul University, Chicago, ILL. Novemebr 11, 2011.

Sundell Ronald, Robert Stewart, Hilarie Sorenson, Michael Michalek. "Enhancing Information Sharing and Decision-making Parternerships to Foster Multi-scale Capacity Building and Integration of Environmental Data for Stakeholders within the Lake Superior Basin." University of Vermont, Burlington,VT. June 23, 2011.

Michalek, Michael. "The Great Lakes in the Holocene Era." Northern Michigan University, Marquette, MI. April 14, 2011.

Michalek, Michael. "Global Warming and Climate Change in the Great Lakes." Northern Michigan University, Marquette, MI. April 5, 2011.