

MATTHEW T. PATTON, Ph.D.
CURRICULUM VITAE

I. ACADEMIC/PROFESSIONAL BACKGROUND

CONTACT INFORMATION:

Matthew T. Patton, Postdoctoral Research Associate
Department of Earth & Atmospheric Sciences
University of Nebraska-Lincoln
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Lincoln, NE 68588

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EDUCATIONAL BACKGROUND:

Ph.D., 2014

Texas State University, Department of Geography
Major: Geographic Education

Dissertation: Examining Teachers' Attitudes and Beliefs towards Messages for Teaching
Geography in K-12 Education from Leaders in Geographic Education

M.S., 2010

Central Michigan University, Department of Geography
Major: Geographic Information Sciences

Thesis: A GIS based Approach to Redistricting for the Michigan State Police

B.A., 2007

Ashland University, History & Political Science Department
Double Major: History & Political Science

EXPERIENCE:

Postdoctoral Research Associate, 2014 to present

University of Nebraska-Lincoln, Department of Earth & Atmospheric Sciences

My duties include the development of quality research supportive of the NSF-WIDER
"Advancing Research-based Instructional Strategies to Enhance (ARISE) STEM Education"
project. My research focuses on investigating how student behavior and feedback might
influence instructional decisions. This research probes faculty affect.

Doctoral Teaching Assistant, 2012 to 2014

Texas State University, Department of Geography

My responsibilities included course preparation and design, selection of textbooks, creation of
lectures and student metrics such as exams, quizzes, assignments, and papers. I am responsible
for each aspect of each course, including student grades. Average class size: 45

Community Outreach Specialist, 2010 to 2011

Texas Alliance for Geographic Education

My responsibilities included a number of outreach activities which promoted geographic education in elementary schools in central Texas. I worked in a group setting with fellow members of the Texas Alliance, demonstrating geographic lesson plans with National Geographic's 26' x 35' traveling map of South America. In addition to school demonstrations, presentations were given at local and state level conferences.

Doctoral Research Assistant, 2010 to 2011

Gilbert M. Grosvenor Center for Geographic Education, Department of Geography, Texas State University

My responsibilities included collecting data about the status of geographic education in the United States and working with the Texas Alliance for Geographic Education as well as the entire National Geographic Alliance program. I was involved in the process for securing external funding through grant opportunities. I co-organized the Grosvenor Center for Geographic Education Conference on Research in Geographic Education, held in Lafayette, LA, May 19-21, 2011. I was also responsible for writing content for the Grosvenor Center website.

Graduate Research Assistant, 2009 to 2010

Michigan Geographic Alliance

My responsibilities included the creation and design of an interactive, Flash-based program to augment geography, history, and social studies lectures based on the political expansion of the United States. My duties included the design of the program, the accompanying text, and presentation of the project at the National Council for Geographic Education's annual conference.

Researcher, 2009

Center for Geographic Information Sciences, Department of Geography, Central Michigan University

My responsibilities for this summer experience included a continuation of projects started as a graduate research assistant. Duties included work on internal and external projects as well as joint collaborations between departments on campus.

Graduate Instructional Assistant, 2008 to 2009

Central Michigan University, Department of Geography

My responsibilities included providing assistance for faculty members. As a laboratory assistant, I aided students through remote sensing assignments. As a teaching assistant, I was responsible for grading student assignments and administering exams.

Graduate Research Assistant, 2008 to 2009

Center for Geographic Information Sciences, Department of Geography, Central Michigan University

My responsibilities included working on internal projects for the department of geography as well as external projects for other departments at Central Michigan University as well as companies in the private sector. My duties ranged from data collection and management to cartographic creation and display as well as data analysis.

Graduate Research Assistant, 2007 to 2008

Museum of Cultural and Natural History, College of Humanities and Social and Behavioral Sciences, Central Michigan University

My responsibilities included database maintenance (management and map creation) for the natural collections and working with experts in natural history and ornithology to better identify

and improve the storage of specimens as well as working with experts in cultural history. Additionally, I helped maintain and create exhibits on display in the museum.

RELEVANT PROFESSIONAL EXPERIENCE:

Grader, 2013 to present

Advanced Placement Human Geography, College Board, Educational Testing Services

My responsibilities included grading the essay portions of the Advanced Placement Human Geography exam.

Volunteer Assistant Baseball Coach, 2008 to 2010

Baseball Team, Ashland University

My responsibilities included working with pitchers and catchers, instruction of skills, and coaching first base on game days.

Baseball Camp and Clinic Coach, 2002 to 2010

Baseball Team, Ashland University

My responsibilities included instruction of skills and techniques for players ranging from six to eighteen years old. These experiences impact my current teaching and classroom management on a daily basis.

II. TEACHING

COURSES TAUGHT:

GEOG 3309: United States and Canada

Instructor of Record

Spring 2014, Fall 2013

Advanced Undergraduate Level, Writing Intensive Course, Texas State University

GEO 3301: Quantitative Methods in Geography

Instructor of Record

Spring 2013

Advanced Undergraduate Level, Texas State University

GEO 1310: World Geography

Instructor of Record

Fall 2012, Spring 2012

Undergraduate Level, Texas State University

GEO 305: Remote Sensing of the Environment

Instructional Assistant

Fall 2009

Advanced Undergraduate Level, Central Michigan University

GEO 120: Environmental Geography

Instructional Assistant
Spring 2009
Undergraduate Level, Central Michigan University

GEO 121: Cultures of the World

Instructional Assistant
Fall 2008
Undergraduate Level, Central Michigan University

III. SCHOLARLY/CREATIVE

ARTICLES:

Patton, Matthew T. & Mathews, Adam J. Marketing American Microbrews: Promoting Neolocalism One Map at a Time. (2013) *Papers in Applied Geography Conference*, 36, 17-26.

Mathews, Adam J., Lu, Yongmei, **Patton, Matthew T.**, Dede-Bamfo, Nathaniel, & Chen, Junfang. (2012). College students' consumption, contribution, and risk awareness related to online mapping services and social media outlets: does geography and GIS knowledge matter? *GeoJournal*, 78(4), 627-639.

NON-REFEREED ARTICLES:

Patton, Matthew T. (2011). "2011 Association of American Geographers Conference." The Gilbert M. Grosvenor Center for Geographic Education website.

Patton, Matthew T. (2011). "2011 Biannual Grosvenor Center Conference on Research in Geographic Education." The Gilbert M. Grosvenor Center for Geographic Education website.

Patton, Matthew T. (2011). "2011 Geography Summer Academy." The Gilbert M. Grosvenor Center for Geographic Education website.

Patton, Matthew T. (2011). "Geography: Teaching with the Stars – Update, Fall 2011." The Gilbert M. Grosvenor Center for Geographic Education website.

Patton, Matthew T. (2010). "Distinguished Mentor's Award." Texas Alliance for Geographic Education Fall 2010 Newsletter.

Patton, Matthew T. (2010). "Texas State Professor Awarded NCGE-Sponsored Grant." Texas Alliance for Geographic Education Fall 2010 Newsletter.

POSTERS/PRESENTATIONS PRESENTED AT PROFESSIONAL MEETINGS:

Patton, Matthew T. (2014). *Examining Teachers' Attitudes & Beliefs toward Messages Calling for New Approaches to Classroom Teaching of Geography*. Presentation given at the Annual Meeting of the Association of American Geographers (AAG), Tampa, FL, April 8-12, 2014.

Patton, Matthew T. & Mathews, Adam J. (2013). *Marketing American Microbrews: Promoting Neolocalism One Map at a Time*. Presentation given at the Joint Meeting of the 36th Annual Applied Geography Conference and the 2013 Annual Meeting of Mid-Atlantic Division, Association of American Geographers, Annapolis, MD, October 29-November 1, 2013.

Huynh, Niem Tu, Verma, Kanika, **Patton, Matthew T.** & Stamper, Nick. (2013). *Learning with Games*. Presentation given at the National Council for Geographic Education's (NCGE) 2013 National Conference on Geography Education, Denver, CO, August 1-4, 2013.

Patton, Matthew T. (2012). *A GIS-Based Approach to Redistricting for the Michigan State Police*. Presentation given at the 35th Annual Applied Geography Conference, Minneapolis, MN, October 10-12, 2012.

Patton, Matthew T. (2012). *Does a relationship exist between the teaching of required geography courses and advanced placement human geography test scores?* Presentation given at Geographical Association's (GA) 2012 Annual Conference and Exhibition, Manchester, United Kingdom, April 12-14, 2012.

Patton, Matthew T. (2011). *Using Flash-Based Interactive Maps of the United States as Teaching Tools*. Presented poster at the Annual Meeting of the Association of American Geographers (AAG), Seattle, WA, April 14-18, 2011.

Patton, Matthew T. & Oestreich, Jo Beth (2010). *Teaching with the Stars*. Presentation given at 2010 Texas Council for the Social Studies (TCSS) 58th Annual Conference, Houston, TX, October 15-17, 2010.

Patton, Matthew T., Stamper, Nicholas, Scholz, Michael & Lehmkuhler, James (2010). *National Geographic Traveling Map*. Demonstrations given at 2010 Texas Council for the Social Studies (TCSS) 58th Annual Conference, Houston, TX, October 15-17, 2010.

Patton, Matthew T. & Lehmkuhler, James (2010). Demonstrated K-8 lesson plans using a giant United States floor map at the 2010 Friends of Geography (FOG) 22nd Annual Conference, Houston, TX, September 25, 2010.

Patton, Matthew T. (2009). *Using Topography & Politics to Draw State Borders*. Presented poster at the National Council for Geographic Education's (NCGE) 2009 National Conference on Geography Education, San Juan, Puerto Rico, September 23-27, 2009.

Patton, Matthew T. (2009). *NCAA Division II Baseball Recruiting Areas 2003-2007*. Presented poster at the Annual Meeting of the Association of American Geographers (AAG), Las Vegas, NV, March 22-27, 2009.

INVITED LECTURES:

Guest lecturer: Texas State University
GEO 3411: Maps and Mapmaking, Fall 2013
GEO 3301: Quantitative Methods in Geography, Spring 2013
GEO 1310: World Geography, Fall 2011

Guest lecturer: Central Michigan University
GEO 121: Cultures of the World, Fall 2008

IV. SERVICE

UNIVERSITY:

Assist in operations of the Discipline Based Education Research Group (DBER) weekly STEM education seminars
Spring 2015, Fall 2014, University of Nebraska-Lincoln

Session co-facilitator of the Research-Based Instructional Strategies (RBIS) biweekly professional development series
Fall 2014, University of Nebraska-Lincoln

Assist in operations of the Just in Time Teaching (JiTT) biweekly professional development series
Fall 2014, University of Nebraska-Lincoln

Assist in operations of the Peer Instruction (PI) biweekly professional development series
Fall 2014, University of Nebraska-Lincoln

Represented the Geography Education Ph.D. program for the Dean of the Graduate College search
Spring 2013, Texas State University

Represented the Geography Education Ph.D. program at the College of Liberal Arts Advisory Board meeting
Spring 2013, Texas State University

DEPARTMENTAL:

Presentation given to GEO 5150/5250/7150/7250 Teaching Geography Practicum
Fall 2012, Department of Geography, Texas State University

Presentation given to GEO 5150/5250/7150/7250 Teaching Geography Practicum
Fall 2013, Department of Geography, Texas State University

PROFESSIONAL:

Association of American Geographers (AAG) Graduate Student Affinity Group (GSAG)
Proposal Reviewer
Spring 2013

CONFERENCES ATTENDED:

Annual Meeting of the Association of American Geographers (AAG), Tampa, FL, April 8-12, 2014.

The Joint Meeting of the 36th Annual Applied Geography Conference and the 2013 Annual Meeting of Mid-Atlantic Division, Association of American Geographers, October 30-November 1, 2013.

The 35th Annual Applied Geography Conference, Minneapolis, MN, October 10-12, 2012.

National Council for Geographic Education's (NCGE) 2012 National Conference on Geography Education, San Marcos, TX, October 4-7, 2012.

Volunteered and attended

Geographical Association's (GA) 2012 Annual Conference and Exhibition, Manchester, United Kingdom, April 12-14, 2012.

2011 Texas Council for the Social Studies (TCSS) 59th Annual Conference, Austin, TX, October 21-23, 2011.

Volunteered and attended

National Council for Geographic Education's (NCGE) 2011 National Conference on Geography Education, Portland, OR, August 4-7, 2011.

Volunteered and attended

Grosvenor Center for Geographic Education Conference on Research in Geographic Education, Lafayette, LA, May 19-21, 2011.

Co-organized, volunteered, and attended

Annual Meeting of the Association of American Geographers (AAG), Seattle, WA, April 14-18, 2011.

The College and Career Readiness Initiatives (CCRI) for Social Studies & Science Collaboratives Symposium on Perspectives in Geographic and Scientific Literacy, Grapevine, TX, November 5-6, 2010.

2010 Texas Council for the Social Studies (TCSS) 58th Annual Conference, Houston, TX, October 15-17, 2010.

Volunteered and attended

National Council for Geographic Education's (NCGE) 2010 National Conference on Geography Education, Savannah, GA, September 29-October 3, 2010.

Volunteered and attended

2010 Friends of Geography (FOG) 22nd Annual Conference, Houston, TX – September 25, 2010.

Volunteered and attended

National Council for Geographic Education's (NCGE) 2009 National Conference on Geography Education, San Juan, Puerto Rico, September 23-27, 2009.

Annual Meeting of the Association of American Geographers (AAG), Las Vegas, NV, March 22-27, 2009.

Annual Meeting of the Association of American Geographers (AAG), Boston, MA, April 15-19, 2008.

GeoTech Ohio 2005, New Albany, OH, June 20-24, 2005.

HONORARY ORGANIZATIONS:

Phi Kappa Phi, Collegiate Honor Society 2014-present

Alpha Chi, Texas Iota Chapter, College Honor Society 2012-present

Phi Alpha Theta, History Honorarium Society 2006-present

V. MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

Association of American Geographers 2008-present

AAG Applied Geography Specialty Group 2014-present

AAG Cartography Specialty Group 2009-present

AAG Communication Geography Specialty Group 2014-present

AAG Cultural Geography Specialty Group 2014-present

AAG Geography Education Specialty Group 2010-present

National Association of Geoscience Teachers 2014-present

National Council for Geographic Education 2009-present

National Postdoctoral Association 2014-present

North American Cartographic Information Society 2009-present

VI. SERVICES AND HONORS AND AWARDS

All-Great Lakes Intercollegiate Athletic Conference Academic Team 2003-2007

Co-captain, varsity baseball team, Ashland University 2006-2007

Dean's List 2005, 2006, 2007

VII. RESEARCH INTERESTS

Human Geography
STEM Education

Geographic Education
Higher Education

Communication Geography

VIII. REFERENCES

Leilani Arthurs, Ph.D.

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