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EDUCATIONAL BACKGROUND

- 2007 Ph.D. in Geography
University of Oregon, Eugene, Oregon
Dissertation: *Comparative Impacts of Web-Based GIS on Student Content Knowledge, Geography Skills, and Self-Efficacy in Introductory Human Geography.*
- 1998 Elementary and Secondary Teaching Credential
Pacific University, Forest Grove, Oregon (Eugene Campus)
- 1994 MA in Geography
University of Oregon, Eugene, Oregon
Thesis: *Reconstructing Global Surficial Deposits at the Last Glacial Maximum*
- 1991 BS in Geography
University of Oregon, Eugene, Oregon

EMPLOYMENT

- 2009 – Present Principal Investigator - Geospatial Teaching Across the Curriculum (GEOSTAC) NSF- ATE Grant # 0903330.
- 2006 – Present Geography and GIS Instructor, GIS Instructional Designer, Lane Community College, Eugene, Oregon
- 2009 - Summer Adjunct Faculty – University of Oregon, Eugene, Oregon
- 2009 – Winter Adjunct Faculty – Western Oregon University, Monmouth Oregon
- 2006 – 2009 Co-PI Mapping Analyzing and Problem-solving with GIS (MAPS_GIS) NSF Grant # 0603492
- 2005 - 2006 Graduate Research Assistant - Educational Technology Grant
Dr. Amy Lobben, PI, University of Oregon, Eugene, Oregon

- 2004 – 2005 Graduate Research Assistant - Department of Education FIPSI Grant
Dr. Susan W. Hardwick, PI , University of Oregon, Eugene, Oregon
- 2000 - 2004 Alternative High School Teacher - Gateways Learning Center
Springfield School District 19, Springfield, Oregon
- 1998 - 2000 Elementary School Teacher - Brattain Elementary School
Springfield School District 19, Springfield, Oregon
- 1995 - 1998 Research Assistant to Dr. Patrick Bartlein - University of Oregon,
Eugene, Oregon
- 1992 - 1995 Geomorphologist - Heritage Research Associates, Eugene, Oregon

GRANTS and AWARDS

- 2009 National Science Foundation Grant # 0903330. Geospatial Teaching
Across the Curriculum - GEOSTAC - (\$692,000)
- 2008 Faculty Recognition Award – Introduction to GIS
- 2008 - 2009 iGETT Summer Institute participant. NSF- ATE sponsored grant through
NCGE, NASA Goddard, ESRI, and Del Mar College.
- 2006 - 2009 National Science Foundation Grant #0603492; Mapping, Analysis and
Problem-Solving with GIS – MAPS-GIS (\$784,000).
- 2005 - 2006 Educational Technology Grant. “Reaching Across Disciplines: Providing a
Hybrid Instructional Report and Accompanying GIS Research and
Instructional Tools (ArcIMS Server) for Faculty and Students Throughout
the University of Oregon Campus.”
- 2004 University of Oregon, EC Brown Foundation. “Changing Attitudes
Changing Behavior.” (\$10,000)
- 1999 Meyer Foundation Grant for Curriculum and Technology, “What’s in a
Name? Comparing Springfields across the U.S.” (\$10,000)

PUBLICATIONS

- Songer, Lynn. 2009. Submitted. Using Web-based GIS in Introductory Human Geography *Journal of Geography In Higher Education*. – June 2009.
- Songer, Lynn. 2009. In progress – Book Chapter Section - Web-based GIS and virtual globes across the curriculum. In *Teaching Geographic Information Science and Technology in Higher Education*. Editors David J. Unwin, D.J., Tate, N.J., Foote, K.E., DiBiase, D.
- Songer, Lynn. 2007. Comparative Impacts of Web-Based GIS on Student Content Knowledge, Geography Skills, and Self-efficacy in Introductory Human Geography. Unpublished Ph.D. Dissertation, University of Oregon, Eugene, Oregon.

PROFESSIONAL PAPERS, PANELS and WORKSHOPS

- 2009 National Council for Geographic Education Annual Meeting. Workshop Presenter - “Why is an Apple Red? and other Colorful Questions: Using spectrometry in the classroom.” Paper Presenter – “Geospatial Teaching Across the K-12 Curriculum” San Juan Puerto Rico.
- 2009 Oregon Geography Alliance Summer Institute. Workshop Presenter - “Geospatial Thinking across the Curriculum” Portland, Oregon.
- 2009 Association of American Geographers. Paper Presenter - “Teaching Geospatial Thinking Across the Curriculum” Las Vegas, Nevada.
- 2009 Oregon Geographic Alliance Spring Conference. Workshop Presenter – “Web-Based GIS in the Classroom” Monmouth, Oregon.
- 2008 Multnomah County Public Schools, Portland, Oregon. Workshop Presenter - “Addressing the Standards with Web-based GIS across the Curriculum” Portland, Oregon.
- 2008 International conference on Geographic Information Systems. Workshop Presenter – “The Good, the Bad and the Ugly: Using Web-based GIS in the Classroom” Istanbul, Turkey.
- 2008 Association of American Geographers. Paper Presenter - “Web-Based GIS: A Catalyst for Motivation, Knowledge, and Skills.” Boston, Massachusetts.
- 2008 Oregon Geographic Alliance. Paper Presenter - “Teaching with Web-based GIS,” Monmouth, OR.

- 2008 League of Innovation. Roundtable Facilitator - "Web-Based GIS Across the Curriculum" Denver, Colorado.
- 2007 Workshops for Early Career Geography Faculty. Workshop Presenter - "Web-based GIS: Teaching Across the Curriculum" Boulder, Colorado.
- 2007 Association of American Geographers. Paper Presenter - "The Effectiveness of Internet-GIS in an Introductory Human Geography Course" San Francisco, California.
- 2007 Oregon Geographic Alliance. Workshop Presenter - "Web-Based GIS in the Classroom" Seaside, Oregon.
- 2006 National Council for Geographic Education. Paper Presenter - "Comparing Two Instructional Methods: Paper Maps vs. Internet-GIS Maps," South Lake Tahoe, California.
- 2006 Association of American Geographers. Panel Discussant - "Early Career Geographers" Chicago, Illinois.
- 2006 Association of American Geographers. Paper Presenter - "Assessing Student Outcomes in an Introductory Human Geography Course" Chicago, Illinois.

PROFESSIONAL COMMITTEES

- 2005-2007 Geography Education Master's - Summer Program Committee, University of Oregon.
- 2004-2007 College Assessment Accreditation Committee, Lane Community College.

PROFESSIONAL MEMBERSHIPS

American Society of Photogrammetry and Remote Sensing
 Association of American Geographers
 National Council for Geographic Education
 Oregon Geographic Alliance

UNDERGRADUATE AND GRADUATE COURSES TAUGHT

- Introduction to the Natural Environment (Geog 141) current - Lane Community College.
- Introduction to Human Geography (Geog 142) current - Lane Community College.
- Introduction to Human Geography - online (Geog 142) current - Lane Community College.

Maps and Geospatial Concepts (GIS 245) current - Lane Community College.

Introduction to GIS (GIS 246) current - Lane Community College.

Advanced Projects (GIS 248) current - Lane Community College.

Geography of Oregon (Geog 203) offered 2007 – Lane Community College.

Graduate Seminar in Geographic Education (Geog 507) offered 2009 - University of Oregon.

Teaching Across the Curriculum with Geospatial Technology (CSE 628) offered 2009 -
Western Oregon University.

Research, Content and Pedagogy in Geographic Education (GEOG 407 and 507) offered
summer 2007 - University of Oregon.

Introduction to GIS (Geog 416), Introduction to Human Geography (Geog 142), Research,
Content, and Pedagogy in Geographic Education (Geog 507) offered 2007 -
University of Oregon -

PRIMARY AND SECONDARY TEACHING

Gateways Learning Center / High School Program - Earth Science, Biology, Beginning
Algebra, Economics, Computer Technology: Webpage Design, Video
Composition, World Cultures and Religion, History - WWII to Vietnam, Human
Sexuality. 2000 - 2004

Britain Elementary 3rd Grade – Math, Science, Reading, Physical Education, Art, Social
Science. 1998 - 2000