

Robert C. Shepard
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EDUCATION

- 2017 **Ph.D., University of Nebraska** (Geography)
Emphasis in GIS, Cartography and Remote Sensing
- 2011 **M.A., Western Illinois University** (Geography)
and post-baccalaureate certificate in Environmental GIS, May 2011
- 2008 **B.A., University of Illinois at Urbana-Champaign** (Political Science)

RECENT APPOINTMENTS

- 2019 – *present* **Assistant Professor of Geography**, University of Nebraska
- 2019 – 2019 **Expert Librarian (GIS Specialist)**, University of Iowa Libraries
- 2017 – 2019 **Specialist Librarian (GIS Specialist)**, University of Iowa Libraries
- 2015 – 2017 **Librarian (GIS Specialist)**, University of Iowa Libraries
- 2014 – 2014 **Instructor**, University of Nebraska Geography Program
- 2011 – 2014 **GIS Specialist** (Graduate Assistant), Center for Digital Research in the Humanities,
University of Nebraska Libraries
- 2011 – 2011 **GIS Intern**, Peoria County, Illinois, Information Technology Department
- 2010 – 2011 **Teaching Assistant** (Geography/GIS), Department of Geography, Western Illinois
University

TEACHING EXPERIENCE

- Fall 2020 **Scientific Visualization in Cartography**, University of Nebraska
- Spring 2020 **Web GIS (Electronic Atlas Design / Cartography II)**, University of Nebraska
- Spring 2020 **Spatial and Environmental Influences in Social Systems**, University of Nebraska
- Fall 2019 **Cartography I: Introduction to Cartography**, University of Nebraska
- Fall 2017 **Geospatial Technologies of Yesterday, Today and Tomorrow** (co-instructor),
Honors College, University of Iowa.
- Spring 2016 **Maps and Digital History** (course instructor), University of Iowa.
- Spring 2014 **Human Geography** (course instructor), University of Nebraska.
- Spring 2011 **Cartographic Design and GIS** (teaching assistant), Western Illinois University
- Spring 2011 **Introduction to Landforms** (lab instructor), Western Illinois University
- Fall 2010 **Introduction to Meteorology** (teaching assistant), Western Illinois University
- Spring 2010 **Introduction to Landforms** (lab instructor), Western Illinois University
- Spring 2010 **Introduction to Meteorology** (teaching assistant), Western Illinois University

ACADEMIC PUBLICATIONS

- 2022 **Robert Shepard**, J. Clark Archer, and Fred Shelley. *Historical Atlas of Iowa: The Hawkeye State*. University of Iowa Press. [under contract; favorably reviewed and approved; anticipated release in Spring 2022].
- 2020 **Robert Shepard**. A Finer Resolution for Historical Residential Segregation: Geocoding and Analyzing the Population of 1860s Washington, D.C. *Journal of Historical Geography*. [submitted 12/2019].
- 2020 **Robert Shepard**. 2020. "Placing Segregation." Chapter in *Crowdsourcing, Constructing and Collaborating: Methods and Social Impact of Mapping the World Today*. Edited by Nida Rehman, Saba Sharma and Siddharth de Souza. Bloomsbury Publishing. June 2020.
- 2016 William G. Thomas III, Kaci Nash, and **Robert Shepard**. 2016. Places of Exchange: An Analysis of Human and Material Flows in Civil War Alexandria, Virginia. *Civil War History*. Vol. 62, Number 4. Dec. 2016.
- 2015 **Robert Shepard**. 2015. "Historical Geography, GIS and Civil War Washington." Chapter in *Civil War Washington: History, Place and Digital Scholarship*. Edited by Susan Lawrence. University of Nebraska Press.
- 2014 **Robert Shepard**. 2014. The Role of Gender in Rural Population Decline in Kansas and Nebraska, 1990-2010. *Great Plains Research*, Volume 24, Number 1. Spring 2014.
- 2013 **Robert Shepard**. 2013. Map-based Input with Google Fusion Tables. *Cartographic Perspectives*. Number 76. 49-54

SELECTED DIGITAL SCHOLARSHIP & TOOLS

Creator and Co-Developer, *Mapplication*, University of Iowa, 2018 – present

<https://mapplication.lib.uiowa.edu>

Project Manager and Principal Investigator, *Placing Segregation*, University of Iowa, 2017 – present

<http://dsps.lib.uiowa.edu/placingsegregation>

GIS Developer, *Atlas of Early Printing*, University of Iowa, 2015 – 2019

<http://atlas.lib.uiowa.edu>

MAPS PUBLISHED IN SCHOLARLY WORKS

In Park, Alyssa. 2019. *Sovereignty Experiments: Korean Migrants and the Building of Borders in Northeast Asia, 1860 – 1945*. July 2019. Cornell University Press; Five maps: "Tumen Valley," "Region Map," "Subjecthood of Koreans," "Settlements in South Ussuri (1898)," "Qing-Chosŏn Borderland."

In Mahoney, Timothy. 2016. *From Hometown to Battlefield in the Civil War Era: Middle Class Life in Midwest America*. Cambridge University Press; Two maps: "Collective 'Spatial Narrative' of Selected Regiments in the 'Western Army.'" p. 233, and "Approximate Locations of Fifteen Cohort Members on Shiloh Battlefield, Late Morning to Early Afternoon, April 6, 1862" p. 251

CONFERENCE PAPER PRESENTATIONS

- 2020 "Historical GIS and the Experiential Perspective" Digital Spaces, Physical Places: A Digital Humanities Symposium. Rochester, New York. April 15, 2020. [canceled due to COVID-19]
- 2020 "The Geographies of German-Language Media and its Decline in America's Heartland" Annual Meeting of the American Association of Geographers. Denver, Colorado. April 8, 2020. [canceled due to COVID-19]
- 2019 "Smokestacks, silos and swing votes: precinct-level analysis of Iowa voters in recent elections" Annual Meeting of the American Association of Geographers Great Plains-Rocky Mountains Region. Lawrence, Kansas. October 12, 2019.
- 2019 "The Colored Conventions of Iowa Digital Project." Association for the Study of African American Life and History 2019 Annual Meeting and Conference. Charleston, South Carolina. October 04, 2019.
- 2019 "Blue Waves and Ride Tides in the Heartland" American Association of Geographers Annual Meeting. Washington, D.C. April 04, 2019.
- 2018 "Introducing *Mapplication*." Digital Library Federation Forum 2018. Henderson, Nevada. October 15, 2018.
- 2018 "The Electoral Geography of Iowa Territory and Early Iowa Statehood." Annual Meeting of the American Association of Geographers, Great Plains - Rocky Mountains Division. Manhattan, Kansas. October 06, 2018.
- 2018 "Mapping Teacher Librarianship Across the State." 2018 Joint Conference of the Iowa Reading Association and Iowa Association of School Librarians. Ames, Iowa. June 27, 2018.
- 2018 "Confronting the Medium Scale Lies of Urban Histories: A Granular Geographical Analysis of Residential Segregation in U.S. Cities." American Association of Geographers Annual Meeting. New Orleans, Louisiana. April 10, 2018.
- 2017 "Mapping the State of Iowa School Libraries." Iowa Library Association 2017 Conference. Coralville, Iowa. October 19, 2017.
- 2017 "Placing Segregation." Digital Humanities 2017 Conference. The Alliance of Digital Humanities Organizations. Montréal, Quebec, Canada. August 08-11, 2017.
- 2017 "Scales in Digital Mapping: New Approaches to Linking Cultural Experiences in American History." 2017 American Historical Association Annual Meeting. Denver, Colorado. January 05-08, 2017.
- 2016 "Collections Interacting for a Sixties Exhibit and Map." 2016 Upper Midwest Digital Collections Conference. Saint Ambrose University. Davenport, Iowa. August 11, 2016

- 2016 "Uptight and Laid-Back: The 1960s Project at University of Iowa." Sponsored Session of the Digital Conversion Interest Group. American Library Association Annual Conference. Orlando, Florida. June 25, 2016.
- 2015 "A Geographical Analysis of Housing Segregation and Inequality in American Cities, 1860 - 1870." Annual Meeting of the Great Plains - Rocky Mountains Division of the American Association of Geographers. Kearney, Nebraska. October 03-04, 2015
- 2014 "Mapping Community Formation on the Plains" Breaking Boundaries: 2014 Joint Meeting of the Southwest and Great Plains-Rocky Mountain Divisions of the Association of American Geographers. Albuquerque, New Mexico. October 23-25, 2014
- 2014 "Homestead Nebraska: New Research Methodologies for Homestead Records in a Digital Age." Western Lands, Western Voices: A Symposium on Public Engagement in the Humanities and Social Sciences. Center of the American West, University of Utah. Salt Lake City, Utah. September 19-21, 2014
- 2014 "Railroad Travel Times in Civil War America." 2014 Society of Civil War Historians Biennial Conference. Baltimore, Maryland. June 12-14 2014.
- 2014 "Nebraska Gender Geodemographics: Residential Patterns of Young Adults, 1930 – 2010." 2014 Association of American Geographers Annual Meeting. Tampa, Florida. April 8-12, 2014.
- 2014 "Using GIS to Analyze Historical Urban Segregation Patterns." The President's Session on Digital Humanities. 2014 Mid-America American Studies Association Conference. Lincoln, Nebraska. March 01, 2014.
- 2013 "Gender Differences in Residential Patterns of Young Adults in Kansas and Nebraska." Annual Meeting of the Association of American Geographers, Great Plains - Rocky Mountains Division. Omaha, Nebraska. October 10-12, 2013.
- 2013 "Historical GIS for Spatial Analysis: The Civil War Washington Experience." 2013 Nebraska Academy of Sciences Meeting. Nebraska Wesleyan University. Lincoln, Nebraska. April 20, 2013.
- 2012 "The Role of Gender in Rural Population Decline in the Great Plains." James A Rawley Graduate Conference in the Humanities. Homestead National Monument, Beatrice, Nebraska. March 31, 2012.
- 2010 "Geographic Information Systems in Rural Planning Applications: Case Studies in West Central Illinois." *with Dela Awadzji, Western Illinois University.* Annual Meeting of the Illinois Geographical Society. Rockford, Illinois. April 2010.

INVITED TALKS

- 2019 “Placing Segregation: Reassessing the Significance of Spatial Data in Education and Social Justice.” Southern Methodist University. April 11, 2019.
- 2018 “Homestead Records: Geographic Data Collection and Analysis.” Course: Resettling the Plains: Homesteading and Data Visualization. Macalester College. St. Paul, Minnesota. Dr. Rebecca S. Wingo, Instructor. March 20, 2018.
- 2017 “Mapping in the Classroom: Tools and Resources” Iowa Native Spaces Teacher Workshop, Meskwaki Settlement, Iowa. April 1, 2017.
- 2015 “Geographic Information Systems in Digital Humanities” *with Professor Sarah Bond, University of Iowa Department of Classics*. Digital Bridges for Humanistic Inquiry Summer Institute 2015, Grinnell College. Grinnell, Iowa. June 16, 2015.
- 2014 “Population Issues in the Great Plains.” Course: Hot Topics. Randall Moody, Instructor. Osher Lifelong Learning Institute. Lincoln, Nebraska. November 7, 2014.

CAMPUS TALKS

Faculty guest speaker, DH Afternoons. Center for Digital Research in the Humanities. April 15, 2020. [rescheduled to September 2020]

Guest lecture, “GIS and Digital History.” Course: Making Change, Making History: Iowa’s Black Activists and Digital History. Professor Leslie Schwalm, Instructor. University of Iowa Department of History. January 29, 2019.

Guest lecture, “Geohumanities and GIS.” Course: Digital Humanities Theory and Practice. Professor Deborah Whaley, Instructor. University of Iowa Graduate College. October 03, 2018.

Invited panelist at two sessions: “Mapping” (August 8) and “Librarian Leaders and the Digital Humanities” (August 10). Digital Bridges for Humanistic Inquiry Symposium. August 08-10, 2018.

Guest lecturer, “Introduction to ArcGIS.” Course: Mapping Augustan Rome. Professor Sarah Bond, Instructor. University of Iowa Department of Classics. March 06, 2018.

Guest lecturer & workshop leader, “Geographic Information Systems.” Course: Digital Humanities Theory & Practice. Dr. Matthew Hannah, Instructor. University of Iowa School of Library and Information Science. October 26 and November 02, 2017.

Guest lecturer & workshop leader, “Mapping in Digital History and the Humanities,” Course: Digital History. Professor Matthew Noellert, Instructor. University of Iowa Department of History. October 17, 2016.

Guest lecturer, “Geographic Information Systems and Tools,” Course: Honors Seminar in Values, Society and Diversity. Professor Sarah Bond, Instructor. University of Iowa Department of Classics. September 07, 2016.

Guest lecturer & workshop leader, “Interactive Mapping Workshop,” Course: Art and Politics of Rap Music. Professor Michael Hill, Instructor. University of Iowa Department of English. April 07, 2016.

Guest lecturer & workshop leader, “Mapping and GIS Workshop,” *co-instructor with Professor Sarah Bond*. The Digital Humanities Workshop Series at the University of Iowa. December 5, 2015.

Invited guest speaker, “GIS and the Humanities” Kohn Colloquium. University of Iowa Geography & Sustainability Sciences Department. September 4, 2015.

Guest lecturer & workshop leader, “Mapping and Metadata.” Course: Theory & Practice in Public Digital Humanities. Professor Jim Elmborg, Instructor. University of Iowa School of Library and Information Science. April 20-22, 2015.

Guest lecturer, “Homestead Mapping and Analysis” History 351/851: American West to 1900. Professor Katrina Jagodinsky, Instructor. University of Nebraska Department of History. October 31, 2014.

Guest lecturer, “Race and Space in Washington, D.C.” Sociology 101: Introduction to Sociology. Brittany Piper, Instructor. University of Nebraska Department of Sociology. November 7, 2013.

Guest lecturer, “Digital Humanities and GIS” Course: Internship in Digital Humanities. Professor Andrew Jewell, Instructor. University of Nebraska. March 26, 2013.

PROFESSIONAL AFFILIATIONS

Fellow, Center for Digital Research in the Humanities *since 2020*

Fellow, Center for Great Plains Studies *since 2016*

American Association of Geographers *since 2012*

Big Ten Academic Alliance Geospatial Data Discovery Task Force, 2015-2019

Humanities Advisory Board, “To Enter Africa From America” *since 2016*

SERVICE

Organizing committee, American Association of Geographers’ Great Plains Rocky Mountains Region Annual Conference 2021 (originally 2020), Lincoln NE, 2019-2021

University of Nebraska Geography Speaker Series Coordinator, 2019 – *present*

University of Nebraska Geography Student Organization Faculty Representative, 2019 – *present*

GRADUATE STUDENT COMMITTEE SERVICE

At University of Nebraska -

2023 Jim Baker, “America’s Azerbaijani Diaspora: Placing Translocal Homelands” (GEOG PhD)

2023 Kevin Pflager, “History of Food Systems on the Great Plains” (Geography M.A.)

2021 Morgan Ryan, “Spatial Perspectives of Inequality in Education” (Geography M.A.)

2020 Marc Marean, “The Silicon Prairie” (Geography M.A.)

2020 Ellis Codd, “Community Organization and Urban Dynamics at Copan” (Anthropology M.A.)

At University of Iowa -

- 2018 Alexander Ashland, "Whitman's Correspondence" (Digital Humanities Capstone)
- 2018 Dana Spyridakos, "Mapping the Ancient Novels" (Digital Humanities Capstone)
- 2017 Rebekah Walker, "American Indian Libraries Access" (Digital Humanities Capstone)
- 2016 Patrick Curtis, "Mapping Independent Media Centers" (Digital Humanities Capstone)

SELECTED AWARDS AND HONORS

- 2017 John T. Hubbell Prize, with William G. Thomas III and Kaci Nash
- 2015 Graduate Paper Award, American Association of Geographers Great Plains-Rocky Mountains Region
- 2014 American Association of Geographers/Gamma Theta Upsilon Travel Grant

MISCELLANEOUS SERVICE

- UNL Summer Institute for Online Teaching, Certificate of Completion, 2020
- University of Iowa Libraries Instruction Team, 2018-2019
- Digital Humanities Conference 2019 Proposal Reviewer, 2018-2019
- Digital Library Federation E-Research Network, 2017
- University of Iowa GIS Technical Advisory Committee, 2015-2019
- Conference volunteer. Digital Humanities 2013. Hosted by University of Nebraska. July 16-19, 2013.
- Treasurer, University of Nebraska Geography Student Organization, 2012-2013
- Treasurer, Gamma Theta Upsilon Alpha Phi Chapter, 2012-2013
- Judge. 2013 Lincoln Area Homeschool Association Geography Bee. January 12, 2013.

RELEVANT TECHNICAL SKILLS

Geographic Data Processing

ArcGIS Desktop & ArcGIS Pro, Quantum GIS, SPSS, Python, SQL, PostgreSQL, Open Refine, ERDAS Imagine, Google Earth, SketchUp, GeoDa

Web Mapping & Web Publishing

GeoServer, ArcGIS for Server, Google Maps API, Mapbox API, Carto, ArcGIS API for JavaScript, Leaflet JS, Omeka/Neatline, OpenLayers, JavaScript, HTML/XML editing, PHP

Additional Design

Adobe Illustrator, Photoshop, GIMP, InDesign

Course Applications and Learning Management Software

Blackboard, Canvas