
EDUCATION

- 2016** **Master of Science, Information Sciences**
University of Tennessee, Knoxville
GPA: 4.0/4.0
- 2012** **Bachelor of Science, Mass Communication**
Middle Tennessee State University
Minors: Global Studies, American Culture
GPA: 3.88/4.0, *Magna Cum Laude*

RECENT PROFESSIONAL EXPERIENCE

New York University Abu Dhabi Library Abu Dhabi, UAE
Assistant Academic Librarian for Geospatial Data Services Jan 2018 - present

Primary responsibilities: Develop and deliver geospatial data instruction, programming, and reference services to the NYUAD community through the Library's Center for Digital Scholarship. Liaise with NYU Bobst Library to identify and archive regionally relevant collections of geospatial data for the NYU Spatial Data Repository.

Selected accomplishments

- Developed and taught a 4-day course titled Spatial Humanities for the NYUAD Winter Institute in Digital Humanities
- Conducted interviews with faculty users of GIS and developed personas for the library to use in planning and assessment of geospatial services
- Established and produced NYUAD Library's NYU Stream Channel for library instructional video contents

The University of Chicago Library Chicago, Illinois
Resident Librarian for Geographic Information Systems Aug 2016 – Dec 2017

Primary responsibilities: Assess and implement GIS services, research support, programming, and library spaces for the campus community through a library residency. Provide general reference, outreach, and instruction at the John Crerar Library—the science, medicine, and technology branch of the University of Chicago Library.

Selected accomplishments

- Coordinated cross-campus events for GIS Day and Geography Awareness Week
- Worked with faculty in the humanities to integrate geospatial technologies and concepts into their courses
- Conducted and analyzed a survey of GIS users across campus in order to deliver a proposal for a dedicated GIS lab in the library

RESEARCH EXPERIENCE

The University of Tennessee Libraries
Graduate Research Assistant

Knoxville, Tennessee
Aug 2015 - July 2016

Assist the library coordinator and librarians at the Webster C. Pendergrass Agriculture and Veterinary Medicine Library with research regarding library policy, collection development, and library instruction and outreach.

U.S. Department of State, Diplomacy Lab
Researcher

Knoxville, Tennessee
Aug 2015 – Dec 2015

Co-author of an interactive-map based report for the Bureau of International Narcotics and Law Enforcement titled “International Correction Reform and Human Rights Protections for Lesbian, Gay, Bisexual, Transgender, and Intersex (LGBTI) Inmates in Latin America and/or Africa.”

U.S. Department of State, Office of the Geographer,
Humanitarian Information Unit
MapGive Intern

Remote
Aug 2015 – June 2016

Improve the availability of high quality, open geographic data to support humanitarian interventions and needs of senior-level policy makers in Washington, D.C., embassies, and consulates. Utilize a variety of geographic information systems, technologies and tools—such as ArcGIS, Carto, Google Fusion Tables, OpenStreetMap, and Adobe Illustrator—to produce and improve map products and reports.

SELECTED TEACHING & INSTRUCTION EXPERIENCE

SPATIAL HUMANITIES

Date: January 2020

Taught a 4-day, intensive course for the Winter Institute in Digital Humanities called Spatial Humanities. The course introduced attendees to the software QGIS and geospatial research methods in digital humanities. The 11 students in the course were comprised of university professors, researchers, and librarians from around the world, including China, Lebanon, and the United States.

NYU ABU DHABI COURSE ASSISTANCE & GUEST LECTURES

Course: Boundaries (CSTS-UH 1021EQ)

Instructor: Chris Paik (cp92@nyu.edu), Assistant Professor of Political Science

Dates: Spring 2018, Fall 2018 (x2), Spring 2019, Fall 2019 (x2)

Taught 3 consecutive weeks of the course to introduce students to ArcGIS, a software for cartography and geospatial analysis. Developed instructional materials and a [resource guide](#) based on the skills the instructor requested students learn to complete assignments.

Assisted students outside of class time with using the software and finding appropriate resources to complete the assignments.

Course: Data and Human Space (CDAD-UH 1033Q)

Instructor: David Wrisley (djw12@nyu.edu), Associate Professor of Digital Humanities

Dates: Fall 2018, Fall 2019

Throughout the semester taught up to 7 full class sessions related to geospatial research, resources, and software. Sessions lasted the entire class period and included topics such as Introduction to ArcGIS Online, Introduction to Story Maps, Introduction to Map Warper, Georeferencing with ArcMap, Digitizing with ArcMap, and Describing Geospatial Data. Developed instructional materials and a resource guide based on the skills the instructor requested students learn to complete assignments. Assisted students outside of class time with using the software and finding appropriate resources to complete the assignments. Provided support for the field data collection app Survey123.

Course: Where the City Meets the Sea (CDAD-UH 1016ED)

Instructor: John Burt (john.burt@nyu.edu), Associate Professor of Biology

Dates: Spring 2018, Spring 2020

Worked with the instructor to develop a new lab to be used in the course for students to learn how to analyze remote sensing data with Google Earth Engine in order to calculate coastal change. Worked with faculty members and teaching assistants to transition course assignments from Google Fusion Tables to ArcGIS Online and Carto. During virtual course instruction in 2020, contributed to the transition from in-person GIS labs to remote labs.

RESEARCH & TECHNICAL SKILLS

QUANTITATIVE RESEARCH

- **Data visualization:** Python (seaborn, matplotlib), Tableau, R (ggplot2, sf)
- **Data cleaning, analysis, and management:** OpenRefine, Excel, Python (Pandas, geopandas), R (base-R statistics), SQL (PostgreSQL, SQLite)
- **Geographic information systems and mapping:** Esri Suite (ArcGIS 10.X desktop suite, ArcGIS Pro, ArcGIS Online, StoryMaps, Survey123, ArcPy), QGIS, Leaflet, Carto, Google Earth Engine, Google Earth Pro, OpenStreetMap, gdal, PostGIS

QUALITATIVE RESEARCH

- **Survey design:** Qualtrics, Google Forms
- **Text analysis:** Python (nltk), NVivo, Voyant Tools, Zotero
- **User research:** interviewing, persona design and implementation

ADDITIONAL TECHNICAL SKILLS

- **Environments and version control:** Jupyter Notebook, Anaconda, Git, GitHub
- **Media production:** Adobe Illustrator, Canva, Camtasia
- **Web authoring and production:** WordPress, GitHub Pages, Jekyll Static Sites

PUBLICATIONS

Hixson, T. (2019). Reactions vs. Reality: Using Sentiment Analysis to Measure University Students' Responses to Learning ArcGIS. *Journal of Map & Geography Libraries*, 15(2-3), 263–276. <https://doi.org/10.1080/15420353.2020.1719266> (peer reviewed)

Mehra, B., Lemieux III, P. A., Burwell, C., **Hixson, T.**, Partee II, R. P., Stophel, K., & Wood, N. E. (July 2018). "Expanding LIS Education in the US Department of State's Diplomacy Lab Program: GIS and LGBTI Advocacy in Africa and Latin America." *Journal of Education for Library & Information Science* (59:3) p. 4-16.
<https://utpjournals.press/doi/abs/10.3138/jelis.59.3.2018-0016.02> (peer reviewed)

Hixson, T. (2018, March). "Perspective from Taylor Hixson." *WAML Information Bulletin* (49:2). (non-peer reviewed)

WORKING PAPERS

Wrisley, D., Reckziegel, M., **Hixson, T.**, Jänicke, S. " Visual Exploration of Historical Maps." Pending publication date, *Digital Scholarship in the Humanities*.

Hixson, T., Parrot, J. "Utilizing UX personas to improve library GIS and data services." (Tentatively accepted for review upon completion to *WEAVE: Journal of Library User Experience*)

AWARDS & HONORS

- **Conference Fellow** (2019) International Association for Social Science Information Services and Technology (IASSIST) Annual Conference. Sydney, Australia.
- **Early-Career Librarian Scholarship** (2017) Western Association of Map Libraries Annual Conference. Austin, Texas.
- **Graduate Student Commencement Speaker** (2016) University of Tennessee, Knoxville School of Information Sciences' commencement ceremony
- **Graduate Tuition Remission** (2014-2016) University of Tennessee, Knoxville
- **3rd Place Mass Communications Research** (2012) Middle Tennessee State University Scholars Week
- **Vision Scholarship** (2011) for academic achievement and diversity in mass communication, Middle Tennessee State University
- **Nelson Line Scholarship** (2011) for journalistic accomplishment, Middle Tennessee State University
- **Study Abroad Scholarship** for Istanbul, Turkey, Summer Program (2011) Middle Tennessee State University
- **Douglas Stults Memorial Scholarship** (2011) for excellence in journalism, Middle Tennessee State University
- **HOPE Scholarship** (2008-2012), State of Tennessee

CONFERENCE PRESENTATIONS

Hixson, T. (2019, June) "Reactions vs Reality: using sentiment analysis to measure university students' confidence of concepts while learning ArcGIS." **Paper presentation.** IASSIST Conference. Sydney, Australia. June 2019. (peer reviewed)

- Wrisley, D., Reckziegel, M., **Hixson, T.**, Jänicke, S. (2019, July) "Using Visualization to Understand the Complex Spatiality of Mappae Mundi." **Paper presentation.** Digital Humanities Conference 2019. Utrecht, Netherlands. (peer reviewed)
- Hixson, T.** (panel organizer), Humphrey, L., Russell, B. (2018, April) "Expanding instruction opportunities for data and digital literacies in a Gulf library," **Panel.** Information Literacy Network of the GCC Conference. NYU Abu Dhabi, UAE.
- Majewicz, K., Battista, A., Durante, K., **Hixson, T.** (2018, June) "Challenges in Harmonizing Geospatial Metadata," **Panel.** IASSIST & CARTO Conference. Montreal, Quebec.
- Hixson, T.** (2018, June) "Map platforms: low barrier to QGIS," **Invited Presenter,** Exploring the Geographic Information of Literature and Art History / Cartographie numérique en littérature et en l'histoire de l'art. École Normale Supérieure, Paris, France.
- Hixson, T.** (2018, June) "Matching entities with geodata using OpenRefine" **Invited Presenter,** Exploring the Geographic Information of Literature and Art History / Cartographie numérique en littérature et en l'histoire de l'art. École Normale Supérieure, Paris, France.
- Hixson, T.** (2018, March) "Assessing Spatial Literacy: Results from a one-shot instruction session with undergraduates," **Lightning Talk.** Information Literacy Network of the Gulf Cooperation Council Spring Symposium. NYU Abu Dhabi, UAE.
- Hixson, T.** (2017, August) "GIS in the library survey," **Lightning Talk.** Library UX. Chicago, Illinois.
- Hixson, T.** (2017, May) "Creating an infrastructure for GIS instruction at an academic library," **Poster presentation.** LOEX. Lexington, Kentucky.
- Hixson, T., Egli, E.** (2012, March) "From the Southeast to the Middle East: How Universities Set the Agenda," **Poster presentation.** Middle Tennessee State University Scholars Week Fair. Murfreesboro, Tennessee.

SELECTED PROFESSIONAL SERVICE & LEADERSHIP

CURRENT PROFESSIONAL MEMBERSHIPS

- International Association for Social Science Information Services and Technology (2018-present)
- Information Literacy Network of the Gulf Region (2018-present)

COMMITTEE ACTIVITIES & LEADERSHIP

Professional Service

- Information Literacy Network of the Gulf Region Communications Vice Chair (2020-2021)
- ACRL Residency Interest Group New Members and Mentorship Committee Chair (2017-2019)

- Western Association of Map Libraries Scholarship Committee Member (2018-present)

New York University/NYUAD Service

- NYU Libraries Inclusion, Diversity, Belonging, and Equity in Collections Working Group Member (2020-present)
- NYU Libraries External Communities Engagement Steering Committee Member (2020-present)
- Winter Institute in Digital Humanities Poster Reviewer (2019-2020)
- NYUAD Library representative to Faculty Council (2018-2019)

University of Chicago Service

- Big Ten Academic Alliance Geoportal Task Force Member (2017)
- Zar GIS and Story Maps Prize Committee Chair (2017)
- Undergraduate Survey Planning Committee Member (2016-2017)
- Zar Symposium Committee Member (2017)

CERTIFICATIONS

- **Carpentries Instructor, The Carpentries**
 - **Certified:** June 2020
 - Certified to teach Data, Software, and Library Carpentries workshops. “The Carpentries builds global capacity in essential data and computational skills for conducting efficient, open, and reproducible research.”
- **Certificate in Diversity and Inclusion Skills, Library Juice Academy**
 - **Certified:** March 2020
 - Completed four, month-long courses to achieve certification. Courses included: “Recruiting and Retaining Librarians from Underrepresented Minoritized Groups,” “Allyship, Anti-Oppression Practices, and Building Inclusive Libraries,” “Examining Institutional Racism in Libraries,” and “Cultural Competence for Librarians”

EXTRACURRICULAR ACTIVITIES

CONTINUING EDUCATION

- **Course:** “Agile Library Operations: Introduction to Scrum and the Agile Manifesto,” (2020, June) Library Juice Academy
- **Workshop:** “The History of the Map,” (2020, February) Australasian Rare Book Summer School at The State Library of New South Wales, Sydney, Australia
- **Workshop:** “Introduction to Humanities Data Analysis and Visualization in R,” (2019, June) Digital Humanities Summer Institute at The University of Victoria, British Columbia
- **Course:** “Introduction to Spatial Databases with PostGIS and QGIS3” (2020) Udemy

COMMUNITY ENGAGEMENT

- Hostelling International's Explore the World Scholarship Committee Member (2016-2017)
- Adler Planetarium Telescope Operator Volunteer (2017)
- Young Leaders of the Americas Initiative's Professional Fellows Application Reviewer (2016-2018)
- WUTK Radio Station Pledge Drive Volunteer (2015-2016)