# CURRICULUM VITAE

# Matthew L. Sisk, Ph.D.

Matthew.Sisk@nd.edu Lucy Family Institute for Data & Society University of Notre Dame Notre Dame, IN

# **Higher Education**

2011 PhD. Anthropology (Archaeology)	Stony Brook University
2006 M.A. Anthropology (Archaeology)	Stony Brook University
2001 B.A. Anthropology (Archaeology)	University of South Carolina
2001 B.S. Marine Science (Geology)	University of South Carolina

### Positions Held and Academic Ranks Attained

Lucy Family Institute for Data and Society, University of Notre Dame

April 2022 - Associate Professor of the Practice (GIS and Data Science)

November 2016- Affiliated Faculty: Eck Institute for Global Health August 2018- Affiliated Faculty: Center for Civic Innovation

September 2018 - Concurrent Associate Teaching Professor, ACMS (Data Science)

Past

2015 - 2022	Hesburgh Library, GIS and Anthropology Librarian
2013 - 2015	University of Notre Dame, Hesburgh Libraries, Postdoctoral Fellow
2011 - 2013	Adelphi University, Environmental Studies Program, Adjunct Professor
2008 - 2013	Applied Biomathematics, Research Scientist
2012	University of Toulouse, TRACES Lab, <i>Chercheur invité</i> (Invited researcher)

### Distinctions, Honors, Awards

2021: Digitizing Hidden Collections: Amplifying Unheard Voices 2021 Review Panel, Digital Library Federation

2020: Appointed to the Register of Professional Archaeologists

2020: Digitizing Hidden Collections 2020 Review Panel, Digital Library Federation

2015: Presidential Team Irish Award to the Historic Urban Environments Team for Building South Bend

### **Professional Memberships and Service**

Professional Memberships:

Digital Library Federation Paleoanthropology Society American Library Association

Service:

Friends of the St. Joseph County Public Library, Board of Directors (2018-)

President (2021 - ) Secretary (2020-2021) Digital Library Federation

Planet a Committee (2

Planning Committee: (2019-2021)

(4/1/2022)

Session Moderator: Digital Library Federation Annual Forum, 2020 Session Chair: Digital Library Federation Annual Forum, 2019 Scholarship Committee: Digital Library Federation Forum 2019 Session Chair, Annual Meeting Society for American Archaeology 2012-2013

# **Continuing Education**

- 2014 Accepted to Masters of Library and Information Science Program, University of South Carolina Courses completed: SLS 701: Introduction to Library and Information Studies, Grade A
- 2013 Society of American Archivists course "Copyright Issues for Digital Archives"

#### **Publications**

- Vecchio J and **Sisk ML** (*in press*). Implementing a Data Visualization Space in a Digital Scholarship Center in *Developing Digital Scholarship Services* edited by Mitchem P and Rice D.
- Starry R, Brunner M, **Sisk ML**, Tennant S (2022) "Geographies of Engaged Digital Scholarship: Remaking Space and Place in the Academic Library" in *A Third Library is Possible: A CLIR Curated Futures Project*: https://futures.clir.org/space-and-place/
- Maillie L ,Lazarev S, Simone II CB and **Sisk ML** (2021) Geospatial Disparities in Access to Proton Therapy in the Continental United States. Cancer Investigation. DOI: 10.1080/07357907.2021.1944180
- Molik DC, Tomlinson D, Davitt S, Morgan EL, **Sisk ML**, Roche B, Meyers N. and Pfrender, ME, (2021). Combining natural language processing and metabarcoding to reveal pathogen-environment associations. PLoS neglected tropical diseases, 15(4), p.e0008755.
- Ringwald P, Chapin C, Iceman C, Tighe ME, **Sisk ML**, Peaslee GF, Peller J, Wells EM (2021). Characterization and within-site variation of environmental metal concentrations around a contaminated site using a community-engaged approach. Chemosphere. 272. 129915
- Aghassibake N, Joque J and **Sisk ML** (2020). Supporting Data Visualization Services in Academic Libraries. Journal of Interactive Technology and Pedagogy, Issue 18
- Tighe M, Knaub C, **Sisk ML**, Ngai, M, Lieberman M, Peaslee GF, and Beidinger H (2020). Validation of a screening kit to identify environmental lead hazards. Environmental Research. 181, article 108892
- Tighe M, Beidinger H, Knaub C, **Sisk ML**, Peaslee GF, and Lieberman M (2019). Risky bismuth: Distinguishing between lead contamination sources in soils. Chemosphere. 234. 297-301
- Beidinger-Burnett H, Ahern L, Ngai M, Filippelli G, and **Sisk ML** (2018). Inconsistent screening for lead endangers vulnerable children: policy lessons from South Bend and Saint Joseph County, Indiana, USA. Journal of Public Health Policy, 40(1), 103-113.
- Bourrillon R, Ranlett S, **Sisk ML**, Devièse T, Comeskey DJ, White R, Tartar E, Chiotti L, Mensan R, Clark A, Castel J-C, Cretin C, Higham T and Morala A (*2018*) A new discovery of Aurignacian art at Abri Blanchard (Dordogne). Quaternary International
- Mensan R, Bourrillon R, Cretin C, White R, Gardère P, Chiotti L, **Sisk ML**, Clark AE, Higham T, and Tartar É. (2012). Une nouvelle découverte d'art pariétal aurignacien in situ à l'abri Castanet (Dordogne, France): contexte et datation. Paléo 23:171–188.
- White R, Mensan R, Bourrillon R, Cretin C, Higham T, Clark A, **Sisk ML**, Tartar E, Gardère P, Goldberg P, Pelegrin J, Valladas H, Tisnérat-Laborde N, de Sanoit J, Chambellan D, Chiotti L (2012) "Context and dating of Aurignacian "vulvar" representations: new evidence from Abri Castanet, France" Proceedings of the National Academy of Sciences 109 (22) 8450-8455.
- **Sisk ML**, and Shea JJ. (2011) The African Origin of Complex Projectile Technology?: An analysis Using Tip-Cross Sectional Area and Perimeter. International Journal of Evolutionary Biology 2011, Article ID 968012
- White R, Bourrillon R, Cretin C, Mensan R, Gardère P, Chiotti L, Sisk ML, Clark A, Tartar É, and Higham

- T. (2010). Une nouvelle découverte d'art pariétal aurignacien à l'abri Castanet (France): contexte et datation. In: Clottes J, and Gonzàlez Morales M, editors. Congrès de l'IFRAO; Symposium : L'art pléistocène en Europe (Pré-Actes). Tarascon-sur-Ariège, France.
- **Sisk ML.** (2010). Three-Dimensional Gigapan Views of Archaeological Sites and Artifacts: Examples from the Paleolithic of Southwest France. Proceedings of the Fine International Conference on Gigapixel Imaging for Science, November 11-13, 2010.
- **Sisk ML**, and Shea JJ. (2010) Defining complex projectile technology: A reply to Whittaker. PaleoAnthropology 2010: L9.
- Shea JJ, and **Sisk ML**. (2010) Projectile Technology and *Homo sapiens* Dispersal from Africa to Western Eurasia. PaleoAnthropology 2010:100-122.
- **Sisk ML**, and Shea JJ. (2009) Experimental use and quantitative performance analysis of triangular flakes (Levallois points) used as arrowheads. Journal of Archaeological Science 36(9):2039-2047.
- **Sisk ML**, and Shea JJ. (2008) Intrasite spatial variation of the Omo Kibish Middle Stone Age assemblages: Artifact refitting and distribution patterns Journal of Human Evolution 55:486-500.
- **Sisk ML**. (2001) Survey of Phoenician Mortuary Practices at Ghajn Klieb, Rabat (Malta). Columbia, SC: Undergraduate Honors Thesis: University of South Carolina.
- Vella NC, Borda K, Briffa J, Fenech K, Grinde K, Scerri E, **Sisk ML**, Stöger H, and Zammit ME. (2000) Ghajn Klieb, Rabat (Malta): Preliminary report of an archaeological survey. Malta Archaeological Review 4:10-16.

References for an additional 15 non-referred technical reports are available upon request

# **Other Publishing Contributions**

Reports

Ahern, L, H Beidinger, LaFleur, D, Ngai, M and **Sisk, ML** (2017) Understanding the Problem of Lead in St. Joseph County, Indiana From 2005-15 Submitted to the St. Joseph County Health Department Board of Health, July 12, 2017: http://www.sjchd.org/lead-nd-report/

Book and Conference Reviews

- **Sisk ML** (2012) Landscape of the Mind: Human Evolution and the Archaeology of Thought by John Hoffecker. Journal of Anthropological Research
- **Sisk ML** and Shea JJ (2010) Annual Meetings of the Paleoanthropology Society and the Society for American Archaeology. Evolutionary Anthropology 19: 163-164
- Shea JJ and **Sisk ML**(2008) Paleoanthropology in Vancouver. Evolutionary Anthropology 17:127-8 Royer DF, Gilbert CC, **Sisk ML**, and Wallace IJ. (2007) The first humans. Evolutionary Anthropology 16:86-87.
- **Sisk ML** and Shea JJ (2006) Paleoanthropology in Puerto Rico. Evolutionary Anthropology 15:201-3 **Sisk ML**, Royer DF, and Carlson KJ. (2005) Recent developments in paleoanthropology. Evolutionary Anthropology 14:205-206.

#### **Lectures and Addresses**

- **Sisk ML** "Community focused GIS through academic libraries" ROLGGE Working Group. Online, November 28, 2021
- Sisk, ML "Spatial Data + Community Decision Making" CLIR Camp. Online. August 12, 2021

  Maillie L, Mutagonda A, Chirande L, Rehema L, Jumanne S, Meleki E, Serventi F, Alloyce J, Afyusisye F,
  Sanchez S, Sisk ML, Voeten MJ, Kawira E, Joas H, Scanlan T, and Schroeder K. The Tanzanian

  Pediatric Cancer Network: A Comprehensive Evaluation of the Incidence of Presenting Patients and
  Access to Pediatric Cancer Care in Tanzania [abstract]. In: Proceedings of the 9th Annual

  Symposium on Global Cancer Research; Global Cancer Research and Control: Looking Back and
  Charting a Path Forward; 2021 Mar 10-11. Philadelphia (PA): AACR; Cancer Epidemiol Biomarkers

- Prev 2021;30
- **Sisk ML** "Suggestions for dealing with difficult data visualization requests" lecture presented to the Visualizing the Future Working Group. March 21, 2021
- Maillie L, **Sisk ML**, Masalu N, Scanlan T, Schroeder K "Evaluation of Access to Timely Cancer Care in Tanzania Using a Developed Multi-Model Transport Network Software (CANGEO) presented at the 51st congress of the International Society of Paediatric Oncology (SIOP), Lyon, France October 23-26, 2019
- Butler P and **Sisk ML** "Using Digital Tools to Create an Inventory of Gender-Inclusive Bathrooms at the University of Notre Dame" presented at the Bucknell University Digital Scholarship Conference. October 11-13, 2019
- **Sisk ML** and Butler P "Tools to Create an Inclusive Bathroom Inventory on a College Campus" poster presented at the Bucknell University Digital Scholarship Conference. October 11-13, 2019
- **Sisk ML** and Johnson DJ "The Place of the Hitchhiker's Guide in the Early Home Computing Era" One Book, One Michiana Public Lecture, April 2, 2019 Hesburgh Libraries
- Beidinger-Burnett H, Knaub C, Ngai M, Sawyer K, **Sisk ML**, Lieberman M, Peaslee G and Tighe M, 2019. "Development of a scaleable, low-cost lead sample collection kit: a blinded case-control study". Presented at Consortium of Universities for Global Health and published in The Lancet Global Health, 7, p.S31.
- Meyers N, Ng J, **Sisk ML** Vecchio J "Data visualization support at universities" workshop presented at the Midwest Data Librarian's Symposium October 18-19 2018, Ames, IA
- **Sisk ML** and Silva E "Multivariate approaches to understanding lead (Pb) exposure risk" poster presented at the Bucknell University Digital Scholarship Conference. October 5-7, 2018
- **Sisk ML** "Using Digital Scholarship and Citizen Science to Reduce Lead Poisoning Risk in Indiana" presented at the Bucknell University Digital Scholarship Conference. October 5-7, 2018
- **Sisk ML** "Understanding the problem of Lead in Saint Joseph County" presented at the St. Joseph County Health Improvement Alliance, September 20, 2018
- Sawyer K, Knaub C, Tighe M, Forbes D, Marks C, Nicolay L, Gutierrez C, Dowd M, Bielski M, **Sisk ML**. and Ngai M, 2018. Utilizing Citizen Science to Reverse the Current Lead Testing Paradigm: Development of a Scalable, Low-cost Home Lead Test Kit. Proceedings of IMPRS, 1(1).
- **Sisk ML** and DJ Johnson "The Commodore 64 and the Early Home Computing Era" presented at the History Museum, South Bend, IN September 14, 2017
- **Sisk, ML** "Community-Based Mapping in South Bend, Indiana Using ArcGIS Collector" presented at ESRI Users Conference, San Diego, CA, July 10-14, 2017
- **ML Sisk** "Type-in code books, the Commodore 64 and chronotopes" presented at the 2017 R-CADE Symposium, Camden, NJ April 21, 2017
- Anders, S and **ML Sisk** "The Historic Urban Environments Lab at Notre Dame (HUE/ND) Cities in Text: Rome A Case Study in Digital Documentation" presented at the IDRH Digital Humanities Forum 2016: Places, Spaces Sites, Lawrence, KS, October 1, 2016
- **Sisk ML** and Wood D "Involving Students in Community Based Mapping Projects at the University of Notre Dame" presented at *Collaborating Digitally: Engaging Students in Public Scholarship*, Bucknell University. 6-8 November, 2015.
- **Sisk ML** and Vecchio J "Library-based Digital Scholarship Centers: An example from the University of Notre Dame" presented at the *2015 Michiana Scholarly Communication Librarianship Conference*. October 23, 2015.
- Parker J, Anderson B, Feasel E, Heet A, and **Sisk ML** "Re-imagine Community: Building South Bend-Past, Present, Future" presented at the APA-IN 2015 Fall Conference, South Bend IN, October 7-9, 2015.
- Heet, A and Sisk ML "Building South Bend: Past Present and Future" Presented at the Insights into

- History Program. The History Museum, South Bend, IN October 6, 2015
- **Sisk, ML** and Papson, A "Collaboration and Outreach through the Center for Digital Scholarship at the University of Notre Dame" presented at Collaborating Digitally: Engaging Students in Faculty Research, Bucknell University. 14-16 November, 2014.
- Mandernach, M, Courtney, A, Papson, A, Havert, M, and **Sisk, ML** "Training and Outreach through Library-Based Digital Scholarship Centers" presented at Kelvin Smith Library's Digital Scholarship Colloquium. Case Western University, Cleveland, OH, November 6-7, 2014
- Regan, PM and **Sisk ML** "Climate and Conflict: Another Look" presented at the annual meetings of the Peace Science Society International, University of Pennsylvania, Philadelphia, Oct 9 & 10, 2014
- Regan, PM, Boehlefeld, K and **Sisk ML** "Climate Change and Conflict: Another Look" Presented at 14<sup>th</sup> annual Jan Tinbergen European Peace Science Conference, The Hague, Netherlands, June 23-25, 2014
- Sisk, ML "Ecological Modeling of Middle and Upper Paleolithic Sites in the Vezere Valley, France" presented at the 79th Annual Meeting of the Society for American Archaeology. Austin, Texas April 23–27, 2014
- Havert M, **Sisk ML**, Papson A, and Ng J. "Outreach Through Workshops at The University of Notre Dame's Center for Digital Scholarship" Webinar presented to the ACRL Data Curation Interest Group. February 21, 2014
- Parker, J and **Sisk ML**. "New Technologies to Study the Built Environment." The Seaside Prize Colloquium. Seaside, Florida. January 31, 2014.
- **Sisk, ML** and Mensan R "Factors controlling Aurignacian Settlement in the Middle Vézère Valley: The example of the Castel-Merle Vallon" Presented at the Aurignacian Genius Symposium April 8-10, 2013
- **Sisk, ML** "Investigating the morphological constraints on stone projectile tips" Presented at the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology. Memphis, TN April 18 22, 2012
- Garrett, ZS and **Sisk ML** "Reassessing Aurignacian site location: the effects of Medieval populations on Upper Paleolithic sites in the Vallon de Castel Merle" Presented at the 77<sup>th</sup> Annual Meeting of the Society for American Archaeology. Memphis, TN April 18 22, 2012
- Clark, AE, Mensan R, **Sisk ML**, White R and Goldberg P "A recently excavated Aurignacian fire feature at Abri Castanet, France" Presented at the 21st Annual Meeting of the Paleoanthropology Society, April 17 18, 2012
- **Sisk, ML** "A critical review of simple proxies for projectile plausibility" Presented at the Stone Age Weaponry Workshop, Mainz, Germany September 19 22, 2011
- **Sisk ML**, Bourrillon R, Mensan R, White R, Clark A, Cretin C, Chiotti L, Gardère P, Tartar É. "The Aurignacian rock engravings of Abri Castanet: 3D documentation and analysis" Presented at the 20th Annual Meeting of the Paleoanthropology Society, Minneapolis, MI April 12 13, 2011
- Hicks T, **Sisk ML**, Watson A, Schurmans, U and Villeneuve, S. "GIS in the Analysis of Pithouse Village Occupation at Keatley Creek, British Columbia Plateau" Presented at the 76<sup>th</sup> Annual Meeting of the Society for American Archaeology. Sacramento, CA March 30 April 03, 2011
- Villeneuve,S, Hayden B Goldberg P, Cross G and **Sisk ML** "Investigating Processes of Aggregated Village Formation on the Western Canadian Plateau" Presented at the 76<sup>th</sup> Annual Meeting of the Society for American Archaeology. Sacramento, CA March 30 April 03, 2011
- **Sisk ML** and Shea JJ "The use of tip cross-sectional perimeter in determining projectile use: Experimental, archaeological and theoretical approaches" The 75<sup>rd</sup> Annual Meeting of the Society for American Archaeology. Saint Louis, MO, April 14 18, 2010
- **Sisk ML** "Using Gigapan imagery in archaeological contexts" 3<sup>rd</sup> Annual Gigapan Workshop. Pittsburgh, PA, Oct 22–24, 2009
- Sisk ML, Mensan R, and White R "Topographic interpolation as a tool for excavation: Examples from

- the Abri Castanet, Dordogne (France)." Presented at the 17<sup>th</sup> Annual Meeting of the Paleoanthropology Society, Vancouver BC. March 25 26, 2008
- **Sisk ML,** Cross G, and Villeneuve S "Methodological advances in recording housepit stratigraphy: Using GIS to integrate disparate data" Presented at the 73<sup>rd</sup> Annual Meeting of the Society for American Archaeology. Vancouver, BC, March 26 30, 2008
- Spafford J, Villeneuve S, **Sisk ML** and McMaster T "Reconstructing regional settlement patterns in the Mid-Fraser Canyon" "Presented at the 73<sup>rd</sup> Annual Meeting of the Society for American Archaeology. Vancouver, BC, March 26 30, 2008
- Villeneuve S, Hayden B, Springer C, White C, Fox M, Kavanaugh S, Endo N, Carroll B, Wigen B, **Sisk ML**, Cross G, Goldberg P, Smith C, and Spafford J (2008) "Reporting on Recent Work at Keatley Creek." Paper presented at the Annual British Columbia Archaeology Forum. Simon Fraser University, Burnaby.
- **Sisk ML** and Shea JJ "Spatial Structure of Middle Stone Age Sites from the Lower Omo Valley Kibish Formation (Ethiopia)." Presented at the 71<sup>st</sup> Annual Meeting of the Society for American Archaeology San Juan, Puerto Rico, April 26 30, 2006
- **Sisk ML**, Patel BA, and Carleson, KJ "Subchondral bone thickness in the distal radius: Implications for interpreting positional behaviors of fossil hominins." Presented at the 15<sup>th</sup> Annual Meeting of the Paleoanthropology Society, San Juan, Puerto Rico, April 24 26, 2006.
- **Sisk ML** and Shea JJ "Experimental Use of Levallois Points as Projectile Points" Presented at the 14<sup>th</sup> Annual Meeting of the Paleoanthropology Society, Milwaukee, WI, April 5 6, 2005.

# **Grants and Sponsored Programs**

- 2020: **HUD** (\$450,000): A New Paradigm for Environmental Lead Reduction: Community Lead Screening Co-Principal Investigator (with Heidi Beidinger-Burnett)
- 2020: **Civic Switchboard (IMLS)**: (\$9,000): South Bend Civic Data Community Partnership Project *Investigator (with SJCPL and City of South Bend)*
- 2019: **STAR Collaboration Laboratory** (CUGH): (\$15,000): Strengthening Research Infrastructure and Collaboration in Palliative Care
  - Co-Principal Investigator (with Lacey Ahern)
- 2019: **Center for Social Concerns** (\$10,000): Lead poisoning risk in rural areas Co-*Principal Investigator (with Heidi Beidinger-Burnett)*
- 2018: **Indiana Clinical and Translational Sciences Institute** (\$85,000): Automating tools to for Citizen Science tools to reduce lead poisoning in Indiana children Co-Principal Investigator (with Gabriel Fillipelli, IUPUI)
- 2018: **Provost's Digital Initiatives** (\$2,500) for lead risk video production *Principal Investigator*
- 2017: **Faculty Research Support Program** (\$80,000): A New Paradigm to Reduce Lead Poisoning in South Bend Children *Awarded to Graham Peaslee (Sisk, co-PI)*
- 2016: **Ganey Grant to ND Lead Team** (~\$8,000) to Eck Institute team *Team Member*
- 2015: **Faculty Implementation Grant, Office of Digital Learning** (~\$15,000) for GIS module creation *Principal Investigator*
- 2015: **Research Award, Office of Research to Historic Urban Environment team (**\$85,500)

  Team Member
- 2010 **Partner University Fund** (\$150,000 / year for 3 years)
  - Affiliated Researcher (PIs: Randall White and François Bon)
- 2009 **Geological Society of America Dissertation Improvement Grant** (\$2,620) *Principal Investigator*

### 2007 L.S.B. Leakey Foundation Dissertation Improvement Grant (\$7,276)

Principal Investigator

### 2006 Wenner Gren Foundation General Grant (\$23,160)

Co-Principal Investigator

# **Current Courses Taught**

Data Visualization: Masters in Data Science, University of Notre Dame

Practical Data Visualization for Global Affairs: Masters in Global Affairs, University of Notre Dame Geographic Information Systems: College of Arts and Letters, University of Notre Dame

Geographic Information Systems: College of Engineering, University of Notre Dame

Community-based Research and Mapping, Center for Social Concerns, University of Notre Dame

### **Students Supervised**

Primary Adviser:

- 2020: Anthony Williams: *Predicting Childhood Blood Lead Levels in St. Joseph County and Elkhart County, Indiana*. Masters of Global Health: University of Notre Dame
- 2018: Elijah Silva: Developing a Predictive Model to Assess the Relationship Between Socioeconomic Factors and Childhood Blood Lead Levels at the Census Tract Level. Masters of Global Health: University of Notre Dame

### Committee Member:

- 2021: Kelsey Reese: Resilient Communities of the Mesa Verde North Escarpment, AD 890-1300. Ph.D. in Anthropology: University of Notre Dame
- 2020: Ainur Kagarmanova: *Describing the Current State of Palliative Care in Uganda*. Masters of Global Health: University of Notre Dame
- 2019: Hailey Sledge: Assessment of Maternal Referral Services in Southwest Rural Nigeria
  Through Geographic Information Systems and Surveys. Masters of Global Health: University
  of Notre Dame
- 2019: Anna Sudbo: Evaluating the Communication for Behavioral Impact (COMBI) Dengue
  Prevention Program for Efficiency and Impact in Kedah, Malaysia. Masters of Global Health:
  University of Notre Dame
- 2019: Keenan Sweeney: Social and Environmental Risk Factors Associated with Nodding Syndrome and Prevalence of Onchocerca spp. in Simulium spp. in Northern Uganda. Masters of Global Health: University of Notre Dame
- 2018: Kaitlyn Syler: *Assessing the Role of Nurses and Clinical Officers in Provision of Morphine for Pain Relief in Uganda*. Masters of Global Health: University of Notre Dame
- 2018: Jenna Wozniak: *Community Knowledge, Attitudes and Practices Around Blackflies and the Diseases that They Transmit in Northern Uganda*. Masters of Global Health: University of Notre Dame
- 2017: Danielle LaFleur: *Understanding and Investigating the Problem of Lead in St. Joseph County, Indiana*. Masters of Global Health: University of Notre Dame
- 2016: Kaila Barber: *Distance to health care facilities and the health status of persons living with HIV.* Masters of Global Health: University of Notre Dame

### **Other Notable Contributions**

*Assisted in the creation of the following applications and websites:* 

2017: Textual Geographies (<a href="http://txtgeo.net/">http://txtgeo.net/</a>)

2016: Cities in Text: Rome (<a href="http://hue.crc.nd.edu">http://hue.crc.nd.edu</a>)

2016: Reading Modernist Cities (<a href="http://modernism.gistemp.com/omeka/">http://modernism.gistemp.com/omeka/</a>)

2015: Building South Bend (<a href="http://www.buildingsouthbend.nd.edu/">http://www.buildingsouthbend.nd.edu/</a>)

2015: Downtown SB (https://itunes.apple.com/us/app/downtown-sb/id993179423)

2014: SPQR/ND (https://itunes.apple.com/us/app/id932396810)

2014: Seaside Research Portal (<a href="https://seaside.library.nd.edu/">https://seaside.library.nd.edu/</a>)