

# Jeremy M. Mikecz

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**Research Interests:** pre-colonial and colonial Latin America, the use of digital and spatial methods for a study of Indigenous history and history 'from below' (from the local to global level), contact-era and early colonial Peru, early modern Indigenous history, colonialism, early modern world, public history and local place-based history, application of digital history methods to pre-modern studies and qualitative texts, GIS and geovisualization, digital text analysis, corpus linguistics, Indigenous environmental history, Indigenous and 'ethno-spatial' history  
**Teaching Fields:** Latin American history, digital history/humanities (spatial history, data visualization, text mining and analysis, etc.), public history, world history, environmental history, Indigenous Studies and European colonialism

## ACADEMIC POSITIONS

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- 2019-2021 Dartmouth College Hanover, NH**  
**Postdoctoral Fellow in the Neukom Institute for Computational Science**
- Home Department: Native American Studies
  - Affiliations with Geography, Anthropology, and History
- 2017-2019 University of Southern California Los Angeles, CA**  
**Andrew Mellon Postdoctoral Fellow in the Digital Humanities**
- Home Department: History

## EDUCATION

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- Sept 2010-Sept 2017 University of California-Davis Davis, CA**  
*Ph.D. in History*
- Major Field: Latin America, Minor Field: Environmental History
- Aug 2008-June 2009 Central European University Budapest, Hungary**  
*Master of Arts Degree in Medieval Studies*
- Specialization in Environmental & Landscape History
- Aug 1998-May 2002 Washington University in St. Louis Saint Louis, MO**  
*Bachelor of Arts Degree in History and Secondary Education*
- Graduated *magna cum laude*

## MAJOR FELLOWSHIPS AND GRANTS

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- 2019-2021 Neukom Institute for Computational Science (Dartmouth College), Postdoctoral Fellowship**  
**2017-2019 University of Southern California Andrew Mellon Digital Humanities Postdoctoral Research Fellowship**  
**2017-2018 University of Colorado, Boulder, Postdoctoral Fellowship at the Institute of Behavioral Science [declined]**  
**2015-2016 University of California – Davis Provost's Fellowship** - for dissertation completion  
**2014-2017 National Science Foundation Doctoral Dissertation Research Improvement Grant (Geography and Spatial Sciences) [\$15,900]**– for research travel to Spain (2015), conference travel, and training in Digital Humanities (at Stanford University and the University of Victoria).  
**2013-2014 SSRC International Dissertation Research Fellowship (IDRF) [\$20,000]**–for archival research and scholarly collaboration in Lima, Cusco, and other locations in Peru (Oct 2013-Sept 2014)  
**2008-2009 Central European University Partial Fellowship**- full tuition and partial stipend for participation in the master's program of Medieval Studies at CEU

### **SELECT ACADEMIC AWARDS AND GRANTS**

- 2018 Lilly Library Mendel Fellowship** – for use of archival collections at the Lilly Library (Univ. of Indiana)
- 2016 Rocky Mountain Interdisciplinary History Conference Best Paper Prize**
- 2016 Institute of Social Science, Dissertation Travel Award** – for conference travel
- 2015 Social Sciences Dean's Doctoral Fellowship for Excellence Award**
- 2014-2015 Reed-Smith Dissertation Year Travel Grant** – for conference travel in 2015.
- 2011-2014 Reed-Smith Research Travel Grants** – supplementary funding for research travel to Peru (2012 and 2014) and Spain (2011).
- 2011 Tinker Field Research Grant** – archival research in Seville, Spain
- 2009 Zvetlana-Mihaela Tanasa Memorial Fund (CEU)** – Award for innovative research
- 2002 Graduated with honors, *magna cum laude***, from Washington University in St. Louis

### **AWARDS FOR COLLABORATIVE RESEARCH PROJECTS**

- 2017 *Social Science History's* Founder Prize** – for best article in 2016 (Gutmann, et al. “Environmental Migration beyond the Dust Bowl.”)

### **PEER-REVIEWED PUBLICATIONS**

#### **Published or Forthcoming**

- 2020** “Beyond Cajamarca: Decentering European Invaders through a Spatial History Approach,” forthcoming in the *Hispanic American Historical Review* 100:2 (May 2020).
- 2017** “Peering beyond the Imperial Gaze: Towards a Spatial History of Conquest” in the *International Journal of Humanities and Arts Computing's* special issue on the value of digital humanities scholarship to the discipline of geography (March 2017). <https://bit.ly/2NcZXhO>
- 2011** “The Place that Lies Between: Slavonia in the 10th and 11th Centuries,” in *Annual of Medieval Studies at CEU* 17 (2011): 61-78.

#### **In Preparation**

- 2021** “Glimpses of Indigenous Geographies as recorded in the *Relaciones Geográficas* of Peru (1582-86),” in Mackenzie Cooley and Huiyi Wu, eds. *Describing an Empire: Knowledge and Imperial Control in the Chinese and Spanish Empires* (Cambridge: Cambridge University Press, 2021).
- 2021?** “Seeking Ghosts and Chasing Shadows: Data Visualization and the Reconstruction of Indigenous and African Participants in the Invasion of Inka Peru (1533),” will submit to the *William and Mary Quarterly* by the summer of 2020. I have been invited by the WMQ editor to submit a digital history article for publication in the journal’s digital reader.
- 2022?** “Mapping Texts (and other spatial acts): Recovering and Mapping the Spatial Data Found in Early Colonial Texts.” I will submit this article by the end of 2020, describing my creation and preliminary analysis of a digital corpus of about one hundred texts from the early colonial Andes, to *Social Science History* or a digital humanities journal.

### **PEER-REVIEWED PUBLICATIONS, CO-AUTHORED**

- 2016** with Myron Gutmann, et al. “Migration in the 1930s: Beyond the Dust Bowl” in *Social Science History* 40, no. 4 (2016): 707-740. <https://bit.ly/2LnSFG7>

### **OTHER PUBLICATIONS**

- 2018** Festschrift: “Crossing the Abyss: A Brief History of the Apurímac Canyon at the Time of the Spanish Invasion of Inka Peru (1533),” in *Festschrift in Honor of József Laszlovszky* (Archaeolingua Publishing House, Nov 2018). Available at: <http://jeremymikecz.com/apurimacCanyon.html>.

- 2015** Book Review (in Spanish): Marco Curatola Petrocchi and José Carlos Puente de la Luna, *El quipu colonial* in: *Revista Andina* 53 (2015): 358-361.

#### **DISSERTATION AND THESES**

- 2017** *Mapping Conquest: A Spatial History of the Spanish Invasion of Indigenous Peru (ca. 1528-1537)*  
Ph.D. Dissertation, University of California – Davis. Department of History. Dissertation Committee:

Charles Walker (chair), Andrés Reséndez, Anne Knowles, and David Garrett

- A ‘spatial history’ of conquest combining new methods in digital and spatial history with ethnohistory and historical geography as a means to challenge persistent conquest narratives and to write a new narrative that places Andeans in the foreground. It argues the conquest of Peru was just one part of a larger Andean civil war, one in which various Andean groups sought to use the Spanish as valuable military allies or even mercenaries to achieve their own ends. Through the reading of alternative sources and the visualization of Indigenous activity, this research shows how Indigenous activity and politics shaped the events of the conquest era and the establishment of the colonial world.

- 2009** “The Place That Lies Between: Slavonia in the 10th and 11th Centuries”. M.A. Thesis, Central European University. Dept. of Medieval Studies, 2009. Supervisor: József Laszlvoszky

- Interdisciplinary M.A. thesis on early medieval Slavonia (northern Croatia) using GIS to analyze the spatial distribution of archaeological artifacts to debunk nationalistic studies that falsely claim links between medieval material culture, ethnicity, and modern national borders.

- 2002** “Friends or Enemies?: Africans and Indians in Colonial Louisiana, 1719-1763”. Honors Thesis in History (B.A.), Washington University in St. Louis, 2002. Supervisors: Peter Kastor and Conevery Valenčius

- Ethnohistorical study arguing Africans and American Indians (with a focus on the Choctaws) manipulated the precarious conditions of frontiers and borderlands for their own end, engaging in their own form of ‘divide and rule’.

#### **BOOK MANUSCRIPT**

*Mapping Invasion: A Spatial History of the Spanish Invasion of Indigenous Peru (1528 – 1572)*

- This cartographic and narrative history reconstructs and reimagines the complex and dynamic Indigenous world that Spanish conquistadors first encountered in Peru nearly five centuries ago. Using place and space as a prism, it moves various Andean actors to the center of the story: from female intermediaries and *kurakas*, the Andean leaders of various ethnic groups, to runner-messengers, spies, and diplomats moving between Andean and Spanish factions. Written as a ‘spatial narrative’, this book uses digital maps and other data visualizations as a means to tell this story as it took place across space as well as time. Presenting this story – or these stories – as a spatial narrative allows not only a glimpse into how the effects of the Spanish invasion reverberated across Indigenous Peru, but also a view of how the key events of the time were deeply situated within local, regional, and imperial Indigenous politics, histories, and geographies.
  - Progress:
    - Completed full drafts of six of ten body chapters (“1: First Contacts”, “4: Beyond Cajamarca”, “5: Sixteen Days”, “6: The Invited Invasion”, “7: Spanish Conquest or Andean Reconquest?”, “8: Colony on the Brink: Geographies of Resistance”)
    - Partial drafts of (“2: Return to the Imperial Center”, “3: Converging Fates”, “9: The Other Siege: Geographies of Alliance”, “10: All Roads Lead to Cusco: Geographies of Factionalism”)
    - Will finish manuscript by Fall 2020

### **SYMPOSIUM ORGANIZATION**

**2019** Organized and hosted the symposium “(Re-)Visualizing Indigenous Pasts, Presents, and Futures” at the Huntington Library & Gardens on March 22, 2019 with the support of USC’s Digital Humanities Program, the Early Modern Studies Institute, and the Huntington

- participants: Margaret Wickens Pearce (pioneer in Indigenous cartography), Chris Pappan (Osage / Kaw / Cheyenne River Lakota Sioux artist), Lisa Brooks (literary scholar and historian of the Native Northeast), Votan Henriquez (Los Angeles street artist [Nahua/Maya]), Pamela Peters (a Diné multimedia film-maker), Jeffrey Erbig (spatial historian of Latin American), and the “Mapping Indigenous L.A.” team (a collaborative team of academic scholars at UCLA and local Native American educators including Tongva community members).

### **CONFERENCE PANEL**

**2016** Organized the panel, “Indigenous Counter-Mapping: The Use of GIS, Geovisualizations, and Historical Maps to Reconstruct Indigenous Perspectives and Histories,” for the American Historical Association (Atlanta, Jan. 8, 2016). Chair: Anne Knowles; Other Presenters: Deborah Kirk, Mark Palmer.

### **CONFERENCE PRESENTATIONS**

- 2020** “*Desde el tiempo del ynga* [Since the Time of the Inka]: Indigenous Land Tenure and Use under the Inka and Spanish in the Andes.” Presented at the American Historical Association’s annual conference in New York City, January 2020.
- 2019** “From the Macro to the Micro: Combining Text-Mining and a Close Reading of the *Relaciones Geográficas* (RGs) of Peru.” presented in Berlin at the Max Planck Institute for the History of Science as part of the workshop, *Describing an Empire: Knowledge and Imperial Control in the Chinese and Spanish Empires*, on Nov 21-22, 2019.
- 2018** “(In)Visibility and Conquest: Using Data and Geo-Visualization Techniques to Trace Indigenous Activity in Conquest-Era Peru.” Presented and ‘workshopped’ this paper as part of the *William and Mary Quarterly’s* “Digital Research in Early America” (UC-Irvine, Oct 11-12, 2018).
- 2018** “From Invasion to Occupation and Resistance: Mapping Indigenous History during the Conquest and Colonization of Peru” presented at the Spatial Humanities conference (Lancaster University, UK, Sept 20-21, 2018).
- 2018** “Conquest Interrupted: How the Colony of Peru was Nearly Destroyed and then Saved by Andean Armies during Manqo’s War of 1536-37.” Paper presented at the Rocky Mountain Council for Latin American Studies (Reno, NV Apr 1-4, 2018).
- 2016** “An Incomplete Conquest: A Spatial History of the Spanish Invasion of Inka Peru (1532-1542).” Paper presented at the American Society for Ethnohistory (Nashville, Nov. 10, 2016).
- 2016** “In Search of Invisible Allies: Tracing Indigenous Activity in the Conquest of Peru (1532-1572).” Paper presented at the Rocky Mountain Interdisciplinary History Conference (Boulder, CO, Sept. 24, 2016).
- 2016** “Mapping Texts: Unlocking the Hidden Spatiality of Early Colonial Sources.” Paper presented at the Rocky Mountain Council for Latin American Studies (Santa Fe, NM, Apr 2, 2016).
- 2016** “(Counter-)Mapping the Conquest of Peru: Using Spatial History to Reimagine the Conquest-Era.” Paper presented at the American Historical Association Annual Meeting (Atlanta, Jan 8, 2016).
- 2015** “From Texts to Maps: Using Qualitative GIS to Examine the Geographies of Power in Conquest-Era Peru.” Paper presented at the Social Science Historical Association [SSHA] Conference (Baltimore, Nov 14, 2015).
- 2015** “Limits of Conquest: Mapping the Edges of Empires.” Paper presented at the II Workshop Internacional: Mudanças e continuidades espaços fronteiriços e mentalidades de fronteira (Lisbon, July 20, 2015).

- 2015** “Landscapes of Refuge and Resistance: Indigenous People, Peasants, and Mountains.” Paper presented at the Thinking Mountains Conference (Jasper, B.C, Canada, May 5, 2015).
- 2015** “Toward a Spatial History of the Conquest: Reconstructing Spatial Narratives of the Conquest of Peru.” Paper presented at the Association of American Geographers Annual Meeting (Chicago, Apr. 21, 2015).
- 2015** “The Spatiality of Conquest: Using GIS to Visualize Indigenous Activity in Conquest-Era Peru.” Paper presented at the Southwestern Social Science Association (Denver, Apr. 9, 2015).
- 2014** “Re-imagining the Conquest of Peru Using Qualitative GIS.” Paper presented at the SSHA (Toronto, Nov. 9, 2014).
- 2012** “Indigenous Networks and Mobility in 16th Century Huánuco: A Spatial History of an Andean Region,” June 6, 2012. (2nd Year Research Project, UC-Davis)
- 2012** “Indigenous Networks and Mobility in 16th-Century Huánuco: A Spatial History of an Andean Region.” Paper presented at the UC Davis Graduate Student Latin American Workshop, Davis, CA, May 22, 2012.
- 2011** “Mobility, Labor, and the Environment in the Transconquest Andes” presented at the Colonial Latin America Forum, Davis, CA, May 27, 2011.

#### **PRESENTATIONS, CO-AUTHORED**

- 2018** with Myron Gutmann, et al. “Moving West: Who Moved to California in the 1930s, Where they Came From, and Why we Think They Moved” presented by Gutmann at the European Social Science History Association (Belfast, Apr 2018).
- 2017** with Myron Gutmann, et al. “Rural Out-Migration and Environmental Shocks in the 1930s” presented by Myron Gutmann at the Social Science History Association (Montreal, Nov 2017).
- 2017** with Myron Gutmann, et al. “Rural Out-Migration and Environmental Shocks in the 1930s” presented by Susan Hautaniemi Leonard at the Rural Sociological Society (Columbus, OH; Jul 2017).
- 2016** with Myron Gutmann, et al. “Environmental Migration Beyond the Dust Bowl in the 1930s” presented by Lori Hunter at the Annual Meeting of the Population Association of America (Washington DC, March 2016).
- 2016** with Angela Cunningham, et al. “Multi-scale Analysis of American Environmental Migration Patterns in the 1930s” presented by Cunningham at the Association of American Geographers Annual Meeting (San Francisco, Apr. 2, 2016).
- 2015** with Myron Gutmann, et al. “Environmental Migration beyond the Dust Bowl in the 1930s” presented by Gutmann at the Social Science History Association (Baltimore, Nov 2015).

#### **POSTER PRESENTATIONS**

- 2018** “Toward a Digital History of the Spanish Invasion of Indigenous Peru / Hacia una historia digital de la invasion española del Perú indígena” presented at Digital Humanities 2018 (Mexico City, June 26, 2018).
- 2013** “Andean Spaces and Indigenous Places: A Spatial History of the ‘Conquest’ of Peru” presented at the 20<sup>th</sup> Anniversary of Medieval Studies at Central European University (Budapest, May 2013).

#### **GUEST LECTURES & TRAINING SESSIONS**

- 2019** “Tracing, Mapping, and (Text-)Mining Indigenous Activity: Rethinking and Reimagining the Spanish Invasion of Indigenous Peru (1528 – 37),” presented to the Dartmouth Archaeology Working Group (Oct 31, 2019)
- 2019** “Mapping Invasion: Re-imagining and Rethinking the Spanish Invasion of Peru (1528 – 37),” presented at the Neukom Institute’s Annual Dinner (Oct 21, 2019)

- 2019** “Roads, Footprints, Trails of Dust and Foaming Wakes’: Mapping Horizons, Experiences, Encounters, and Limits,” presented to the USC Digital Humanities Best Practices Workshop (Apr 26, 2019)
- 2019** “Peering beyond the Imperial Gaze: Mapping the Spanish Invasion of Peru (and other spatial acts),” presented to the Andean Working Group at the University of California, Los Angeles (Apr 18, 2019)
- 2019** “Conquering Digital History / Digitizing Conquest History,” presented at the Ahmanson Lab workshop series at USC (Jan 16, 2019)
- 2018** “Mapping Indigenous History: From GIS to Digital Sketch Maps and Infographics,” presented at USC’s Spatial Sciences Institute (Oct 16, 2018)
- 2017** Currently training fellow scholars at USC in the use of 1) R for quantitative data analysis and visualization and 2) QGIS, an open-source Geographic Information Systems (GIS) program, for historical research.
- 2016** “Mapping Conquest: Toward a Spatial History of Conquest.” Guest lecture presented as part of the Digital Humanities Series at the University of Colorado - Boulder (Boulder, CO, Nov. 1, 2016).
- 2015** “Mapping the Conquest of Peru: Towards an Ethno-Spatial History.” Guest lecture presented at Stanford University’s Center for Spatial and Textual Analysis (Stanford, May 18, 2015).
- 2014** “Historia y SIG.” Guest lecture and training session presented to a History Methods class at the Pontificia Universidad Católica del Perú (Lima, Oct 2014).
- 2014** “Reimagining the Conquest of Peru” presented to UC-Davis Study Abroad participants in Cusco, Peru. After the presentation, I gave a guided tour of downtown Cusco, pointing out important locations of Inka and early-Spanish Cusco. June, 2014.
- 2013** “Landscapes of Refuge and Resistance” presented to Latin American History to 1700 class at the University of California – Davis. Spring 2013.
- 2009** “Historical GIS: The Application of Open Source GIS to Historical Study” presented to classmates and faculty in the Medieval Studies Dept. at Central European University (Budapest, May 2009).

#### TEACHING EMPLOYMENT

**2019-2021** Dartmouth College Hanover, NH  
Neukom Institute Postdoctoral Fellow

**Fall 2020** NAS ?????: **Placing History: Mapping the History of Places in the Upper Valley and Beyond**

- This course will explore two related questions: how can spatial and place-based thinking benefit historical scholarship? More specifically, how can we combine fieldwork, archival research, and the use of digital tools to help us recover hidden aspects of local history? To answer these questions, this course will include three parts. First, a seminar component will allow students to think global and act local. Students will analyze and discuss spatial history and place-based history projects from around the globe while also evaluating primary historical sources on local and regional history. Second, a fieldwork component will allow students to visit local archives and the places they are studying and examine the way history has been alternatively inscribed in or erased from the landscape. This fieldwork will include regular visits to the collections of the Rauner Special Collections on campus, and to local historical and archaeological sites. Third, a lab component will offer students the chance to learn new skills using Geographic Information Systems (GIS) software to map local history over space and time.

**Spring 2020** NAS 30: **The World Thrown Upside Down: An Indigenous History of the Andes after the Spanish Invasion**

- In this seminar scheduled for this spring, I will introduce Native American Studies and other students to the Andes – a region that has long sparked wonder among visitors. In readings, projects, and discussions students will analyze various types of sources on Andean history, from khipus [knotted-cord records] to Spanish and Andean-authored texts, archaeological sites and artifacts, art, and literature. Through this study, students will explore the tension between insiders and outsiders, colonizers and the colonized, Westerners and Natives. The class will take advantage of the Hood Museum’s rich archaeological collection by having students complete an object analysis project of one of the museum’s artifacts or pieces of art from the region. Some guiding themes of the course (besides the obvious: indigeneity, colonialism, and imperialism) include: utopias / dystopias, *pachakuti* (Quechua term for a cataclysm or world upheaval as happened with the Spanish Invasion and may be happening now with climate change), and *lo andino* (The Andean Way)

**2017-2019      University of Southern California      Los Angeles, CA**  
**Postdoctoral Fellow in the Digital Humanities**

**Spring 2019      HIST 498: Hacking History: Towards a Digital History of Latin America**

- In this upper-level seminar I will integrate two of my intellectual passions: Latin American history and digital history. This course asks: how can we separate myth from history? Stereotypes from fact? Sensationalism from real trends? This class will explore the ways digital tools and methods may help us answer these questions. It will do so by focusing on three overarching themes in the history of Latin America (and the Americas more generally): imperial expansion and invasion, urbanization, and migration. In studying these three themes, I will train students in the use of quantitative data analysis, digital text analysis, and data visualization as tools to explore the complicated history of Latin America in new ways. As a final project, students will produce an online, digital project showcasing their use of digital history methods to produce original research on a historical question relevant to the themes of the class.

**Spring 2018      GESM 120g: Invasions and Conquests: Myths, Propaganda, and “Alternative Facts” in European ‘Conquests’ of the Indigenous Americas**

- As a general education seminar for freshmen non-humanities majors, this course examined historical invasions and how authors have written about invasions - whether historical events, perceived threats, or imagined future possibilities. This course focused on the most consequential series of invasions in world history: the European invasion and “conquest” of the Americas. Learning activities included: weekly class discussions of readings; primary source analysis of early colonial text from the Andes and pictorial art from Mesoamerica; a month-long *Reacting to the Past* game about how the Cherokees confronted pressures for their removal in the 1830s – where students read primary texts, prepared speeches, and participated in debates in character; and small group writing workshops (to name a few).

**2011-2013      University of California – Davis      Davis, CA**  
**Teaching Assistant / Discussion Section Leader**

**Winter 2013      Hist 7b: Latin America in the Middle Period, 1700-1900 (Andrés Reséndez)**

**Winter 2012      Hist 7b: Latin America in the Middle Period, 1700-1900 (Charles Walker)**

**Fall 2011      Hist 7a: Pre-Hispanic and Early Colonial Spanish America (Charles Walker)**

**2009-2010      Quality English School      Barcelona, Spain**  
**English Teacher**

- Taught English to Spaniards (ages from 5 to 65)

**2007-2008**                      **Digital Arts & Technology Academy**                      **Albuquerque, NM**  
**Social Studies / History Teacher**

- Taught History, Economics, and Government to high school students in a diverse, urban setting (50% nonwhite).

**2002-2006**                      **University City High School**                      **Saint Louis, MO**  
**Social Studies / History Teacher & Coach**

- Taught Honors World History, U.S. History, Government, Geography, and Economics to high school students in a diverse, urban setting (87% African-American, 50% free and reduced lunch)

#### **RESEARCH EMPLOYMENT**

**2019-2021**                      **Neukom Institute Postdoctoral Fellow**  
**Dartmouth College**

**2017-2019**                      **Andrew W. Mellon Postdoctoral Research Fellow in the Digital Humanities**  
**University of Southern California**

**2015-2017**                      **Research Assistant (Digital History)**                      **Institute of Behavioral Science**  
**(University of Colorado – Boulder)**

- Assisted Dr. Myron Gutmann in identifying and ‘cleaning’ data, performing ‘big data’ statistical and spatial analysis, creating data visualizations, and preparing and writing papers on the relationship between migration, the economy, and the environment in Depression-Era U.S.

**2009, 2012**                      **GIS Consultant**                      **various**

- Served as freelance GIS consultant to academics

**2001-2002, 2012**                      **Research Assistant**                      **various**

- Researched the 1) the connection between climate and an eighteenth-century Peruvian rebellion, 2) the social and environmental implications of the 1810 New Madrid (MO) earthquakes, and 3) the early history of the NFL, for book projects for Dr. Charles Walker, Dr. Conevery Valencius, and Michael MacCambridge, respectively.

#### **TRAINING (ABOVE AND BEYOND ABOVE-MENTIONED DEGREE PROGRAMS)**

**Spring 2019 – present**    Participating in the monthly *Geographies of the Holocaust* Virtual Seminar

**Aug 2018**                      Completed USC Digital Humanities Boot Camp for Scalar (platform for publishing interactive, digital research)

**Apr 2015 – June 2017**    As part of migration digital history project at Colorado University - Boulder learned how to use SAS and R for the quantitative analysis of large datasets (as much as 131 million observations) and R (ggplot) for the visualization of these datasets.

**June 2015**                      Participated in Digital Humanities Summer Institute (Victoria, B.C)

**May 2015**                      Interned at Stanford University’s Center for Spatial and Textual Analysis

**2014-2016**                      Completed online courses in text analysis with Python, and data analysis and visualization with R.

**Fall 2012**                      Completed online 16<sup>th</sup> Century Spanish Paleography Class (hosted by the Instituto Riva-Agüero, Lima)

**Winter 2012**                      Participated in Spatial History class at Stanford’s Center for Spatial and Textual Analysis

**2009-present**                      Self-taught in the use of a variety of GIS programs (especially ArcGIS and QGIS)



**Fall 2006** Participated in a month-long excavation at Chaco Canyon, NM and three additional months of lab and classwork on Pueblo culture and history (Univ. of New Mexico)

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### ARCHIVES VISITED

Archivo Arzobispal de Lima (Peru)	Archivo Regional del Cusco (Peru)
Archivo Arzobispal de Cusco (Peru)	Archivo Regional de Huánuco (Peru)
Archivo General de Indias (Seville)	Biblioteca Nacional del Perú (Lima)
Archivo General de la Nación (Lima)	British Library (UK)
Archivo Regional de Abancay (Peru)	Huntington Library (CA)
Archivo Regional de Ayacucho (Peru)	Library of Congress (DC)
	Lilly Library (Univ. of Indiana)

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### LANGUAGES

- Spanish (proficient with training in 16<sup>th</sup> century paleography through Inst. Riva-Agüero)
- Knowledge of some Quechua terms with plans to learn conversational Quechua
- Basic but fading knowledge of Latin, German, and Croatian

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### DIGITAL TECHNOLOGY & METHODS

- Data Visualization and GIS: maps and geospatial databases with ArcGIS and QGIS, data visualizations and maps with R (ggplot, Plotly) and Python (Pandas, Plotly)
- Text Encoding: XML/TEI to encode documents and Python to automatically encode some of this information and to transform and query these texts
- Text Structuring: Creating ordered datasets and structured texts from scanned texts using Python (especially regular expressions)
- Named Entity Recognition: automated recognition of named entities (place, person, group names) with Python's spaCY module.
- Text-Mining: Python's NLTK Module for Natural Language Processing and text-mining
- Digital Text Analysis: queries and analysis of text corpora using Python, especially its xml-parsing module, BeautifulSoup
- Web Scraping: extracting metadata and other historical information from websites using Python and BeautifulSoup
- Mixed Methods: Developed techniques combining Qualitative Data Analysis with geovisualizations techniques
- Digital Publishing: Scalar
- Quantitative Data Management and Statistical Analysis: R and SAS
- Dynamic presentations: impress.js
- Web Design: html and css
- Formatting and transforming written documents: pandoc and markdown
- Languages: Python, R, SAS, xml
- Skills to learn: d3.js for interactive, online data visualization; web-scraping, stylometry, and sentiment analysis with Python

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### MEMBERSHIPS

- Alliance of Digital Humanities Organizations
- American Association of Geographers
- American Historical Association

- American Society for Ethnohistory
- Social Science History Association

## REFERENCES

**Charles F. Walker**

**Professor (History), Director of the Hemispheric Institute of the Americas, UC-Davis**  
2216 Social Sciences & Humanities  
1 Shields Ave.; Davis, CA 95616  
530-204-7563; cfwalker@ucdavis.edu  
**(Relationship: Principal Academic Advisor, Comps Committee, Dissertation Committee Chair; I also worked for him as a Teaching Assistant (twice) and as a Graduate Research Assistant)**

**Andrés Reséndez**

**Professor (History), UC-Davis**  
2216 Social Sciences & Humanities  
1 Shields Ave.  
Davis, CA 95616  
530-304-3696; aresendez@ucdavis.edu  
**(Relationship: Prospectus Committee Chair, Comps Committee, Dissertation Committee; I also worked for him as a Reader in 2011 and as a TA in 2012)**

**Myron Gutmann**

**Director, Institute of Behavioral Science and Professor (History), Univ. of CO-Boulder**  
Institute of Behavioral Science  
483 UCB; Boulder, CO 80309  
303-492-9569; myron.gutmann@colorado.edu  
**(Relationship: Director/Principal Investigator for my previous research assistant job studying migration in Depression-Era United States)**

**Anne Knowles**

**Professor (History), The University of Maine**  
145 Stevens Hall; Orono, ME 04469  
802-989-3824; [anne.knowles@maine.edu](mailto:anne.knowles@maine.edu)  
**(Relationship: Dissertation Committee; We have presented together in panels at the AAG and AHA)**

**David Garrett**

**Professor of History and Humanities  
Reed College**  
3203 SE Woodstock Blvd.; Portland, OR 97202  
503-517-7454; garrettd@reed.edu  
**(Relationship: Dissertation Committee)**

**Peter Mancall**

**Vice Dean for the Humanities  
Andrew W. Mellon Professor of the Humanities  
Director of the Early Modern Studies Institute  
University of Southern California**  
213-821-2151; mancall@usc.edu  
**(Relationship: post-doctoral mentor)**

**Colin Calloway**

**Professor of History and Native American Studies  
Dartmouth College**  
[Colin.G.Calloway@Dartmouth.EDU](mailto:Colin.G.Calloway@Dartmouth.EDU)

**Deborah Nichols**

**Professor of Anthropology  
Dartmouth College**  
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*Other former advisors, from further in my past, include Conevery Valencius (Boston College), Patricia Crown (UNM), and Jozsef Laszlóvszky (Central European University)*

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