BRAD RITTENHOUSE

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CURRENT POSITION

Georgia Institute of Technology

Lab Manager: June 2017 – Present
Digital Integrative Liberal Arts Center
Administer a $1.5 million Mellon-funded humanities makerspace and lab. Manage dozens of undergraduate and graduate researchers on a variety of digital humanities projects. Develop and maintain competencies in a wide range of platforms, methodologies, and theoretical approaches commonly used in digital scholarship. Serve as a technical advisor for projects in digital archiving, digital civics/public humanities, podcasting and video production, text analysis, social network analysis, digital mapping. Commonly use bash, R, python, d3.js, Mallet, AntConc, Rapidminer, MorphAdorner, OpenNLP, CoreNLP, Voyant, Tableau, Gephi, ArcGIS, QGIS, StoryMaps, and many other platforms and languages. Direct a small team of student researchers in an NLP/machine learning/data visualization research project on a 600,000 work literary corpus.

EDUCATION

Ph.D.   University of Miami, American Literature, 2017
MA   University of Miami, English, 2013
BA   Allegheny College, 2007

WORKS IN PROGRESS

Currently, I am the Co-PI and Project Director of NEH ODH Digital Humanities Advancement Grant project developing an Omeka plugin suite for entity extraction and social network analysis of large archives. As part of this effort, I co-teach a research course with colleagues in History and the GT Archives, leading a group of student researchers in the development of the tool. Pre-COVID, we also did work in community archiving, helping local neighborhoods preserve, digitize, and explore their histories, and working with them to ensure that our tool was useful to not only academics, but also community members.

While my current position is primarily administrative and does not provide much time for research, I have four book chapters and articles currently contracted and upcoming with major academic and trade presses: Oxford University Press, Cornell University Press, Routledge, and Elsevier. The upcoming publications represent extensive and advanced work in both the technical and administrative sides of the digital humanities, as well as new and award-winning work in the relatively far-flung fields of digital media and interactive narrative. Samples of this work, along with other representative samples, can be found elsewhere in this packet.

PUBLICATIONS

With Maurice Lee. "Quantitative Approaches to Emerson (working title)." *New Approaches to Emerson.* Book Chapter. Oxford: Oxford University Press, 2022. Contracted and Upcoming.

"Revolutionary Discourse in English." *The Digital in the Age of Revolutions.* Book Chapter. Ithaca: Cornell University Press, 2022. Contracted and Upcoming.

With Aaron Brenner (University of Pittsburgh, US), Sarah Connell (Northeastern University, US), Jennifer Grayburn (Schaffer Library, Union College), Matthew Hannah (Purdue University, US), and Brandon Walsh (University of Virginia Library, US). "The Life of a Digital Humanities Lab." *Digital Humanities and Laboratories: Perspectives on Knowledge, Infrastructure and Culture*. Book Chapter. *Digital Research in the Arts and Humanities* series. New York: Routledge, 2022. Contracted and Upcoming.

With Janet Murray, T.M. Gasque, and Kevin Tang. "Narrative Gating in *Return of the Obra Dinn* and *Telling Lies*. *Entertainment Computing*. Invited Article. Upcoming 2020.

With Janet Murray, T.M. Gasque, and Kevin Tang. "Gated Story Structure and Dramatic Agency in Sam Barlow's Telling Lies." *ICIDS 2020*. Conference Proceedings. University of Bournemouth. Bournemouth, UK. November 6, 2020.

With Ximin Mi and Courtney Allen. "Beginner's Guide to Twitter Data." *The Programming Historian*. Peer-Reviewed Article. October 16, 2019.

"The Data Management Aesthetics of Herman Melville and Walt Whitman." *ESQ* 64.3. Peer-Reviewed Article. pp. 31-76. https://muse.jhu.edu/article/711263/pdf.

"Quantitative Text Analysis and Data Visualization." *WovenText: Georgia Tech's Bedford Book of Genres.* Book Chapter. Bedford/St. Martin's, 2018.

Solicited Review of Patrik Svensson's *Big Digital Humanities* for *Scholarly Editing* 2017 Edition.

GRANTS

Digital Humanities Advancement Grant. *Hidden Histories*. National Endowment for the Humanities, Office of Digital Humanities. $100,000. February 2020-2022.

OTHER SCHOLARSHIP

Dual Book Review of *Slantwise Moves* by Douglass Guerra and *Respawn* by Colin Milburn. *American Literature.* Solicited Review. Durham: Duke University Press. Upcoming.

"Staying with the Hypothesis: Getting Started with Digital Humanities Research and Pedagogy." *C19 Podcast.* Peer-reviewed Podcast.

"Literature as Information." *Lost in the Stacks Podcast.* Invited Radio/Podcast Interview. http://hdl.handle.net/1853/60541. November 16, 2018.

Write-Up of the DH+DJ Symposium at the University of Miami. *The Junto: A Group Blog on Early American History*. October 25, 2016.

CONFERENCES, PANELS, AND POSTER PRESENTATIONS

With Janet Murray, T.M. Gasque, and Kevin Tang. "Gated Story Structure and Dramatic Agency in Sam Barlow's Telling Lies." *ICIDS 2020*. Panelist. University of Bournemouth. Bournemouth, UK. November 6, 2020.

NEH Regional Application-Writing Workshop. Co-planner. September 24-25.

"The Open Lab: Digital Scholarship and the Question of Community." DH20. University of Ottawa. Ottawa, ON. July 21-25. Panelist with Aaron Brenner, Sarah Connell, Jennifer Grayburn, Matthew Hannah, and Brandon Walsh. July 31, 2020.

"Quantitative Methods and the Limits of Encyclopedic Narrative." South Atlantic Modern Language Association. Georgia State University. Atlanta, GA. November 16, 2019. Panelist. Upcoming.

"The Life of a Lab." Association for Computers and the Humanities 19. Duquesne University. Pittsburgh, PA. July 26, 2019. Convener and Panelist with Aaron Brenner, Sarah Connell, Jennifer Grayburn, Matthew Hannah, and Brandon Walsh.

"Teaching Students Not to Read." Celebrating Teaching Day 2019. Atlanta, GA. March 12, 2019. Poster Presentation.

"Finding Data in a Literary Corpus: A Curatorial Approach." DH2018. Mexico City. June 29, 2018. Panelist.

"Data Systems in Nineteenth-Century American Literature." South Atlantic Modern Language Association. Georgia State University. Atlanta, GA. November 5, 2018. Panelist.

"TMI: Mining the Thick Literature of Nineteenth-Century America." Bavarian-American Academy. Florida International University. Miami Beach, FL. June 4-11, 2016. Panelist.

"Digital Humanities and American Literature." Futures of American Studies Institute. Dartmouth College. Hanover, NH. June 22-27, 2015. Panelist.

"Of Whales and the Web: Data-Driven Writing in the American Canon." Born Digital Conference. University of Miami. Coral Gables, FL. March 20-21, 2015. Panelist.

"'Living in a Material World': Literary and Cultural Post-humanism in the Information Age." Florida Atlantic University Comparative Studies Conference. Florida Atlantic University. Boca Raton, FL. October 24-25, 2014. Panelist

"'Einstein Has Come by Force': Scientific Methodology and Affect in the Poetry of William Carlos Williams." Louisville Conference on Literature and Culture since 1900. University of Louisville. Louisville, KY. February 21-23, 2013. Panelist

"The Historic Now: Langston Hughes, Space-time, and Bleeding History." University of Miami Graduate Student Symposium. University of Miami. Coral Gables, FL. May 2012. Panelist.

"'Error, Error, Does Not Compute': Identity Performance in the Age of Cylon Replication." University of Rhode Island Graduate Student Conference. University of Rhode Island. Kingston, RI. March 31, 2012. Panelist.

TEACHING EXPERIENCE

Georgia Institute of Technology
Courses:
Coding in R for Literary Research, Spring 2021.
Hiphop2020 Innovation Archive VIP Course. Fall 2020-Present.
Introduction to Literary Studies. Spring 2020.
Interactive Narrative/Interactive Fiction. Grad/Undergrad Course, Fall 2019.
Community and Digital Archives VIP Course. Team Taught with Faculty in History and GT Archives,
        Spring 2019-Present.
Literature, Information, Computation: English Composition 2, Fall 2018-Spring 2019
Science Fiction/Political Reality: English Composition 2, 2017.

University of Miami
Teaching Fellow

Courses:
Sci-Fi and Pop Culture: English Composition 2, Spring 2017
Literature and Data: 1865-Present: American Literature 214, Fall 2016
Zombie Comp: English Composition 2, Spring and Summer 2014
Writing *The Wire*: English Composition 2, Spring 2013
Inquiry and Analysis: English Composition 1, Fall 2012 and 2013

Teaching Assistant
Courses:
The Sixties Class: Intermediate course cross-listed in English, History, and American Studies, Fall 2014
Tutor
The Writing Center, 2011-2012
Experience with grants, articles, student papers, and ESL students.

Miami Dade College
Lecturer
Courses:
Contemporary American Literature and Culture: English Composition 2, Summer 2016

EXPERIENCE

University of Miami

UGrow Fellow: August 2015 – May 2016
Center for Computational Science
Formulated research question, designed experiments, and executed research utilizing supercomputer cluster. Developed skills in big data manipulation, visualization, statistics, bash scripting, R and statistical coding, and sql and database management. Analyzed information through exploratory visualization techniques in big data manipulation.

Digital Humanities Independent Research Group: 2016
Collaborated with DH researchers across the University of Miami.

Electronic Thesis and Dissertation Editor: April 2015 – August 2015
The Graduate School
Administrative work, planning and designing professional development opportunities, educational workshop design and planning.

Organization Builder: December 2014 – August 2015
UGrow
Strategic planning, partnership meetings, website building and maintenance, social media strategies.

Event and Strategic Planner: Summer 2013, 2014
The Graduate School
Generated, designed, and planned professional development opportunities for graduate student body.

Executive Board Webmaster: August 2012 – August 2014
Graduate Student Association
Engaged one of the most diverse student bodies in the country through event planning, social media marketing, and student rights campaigning. Worked closely with deans and administrators, student leaders and organizations, and graduate and undergraduate students to facilitate positive change for students at the University of Miami. Concrete results include the recent extension of dental coverage to graduate students, the improvement of bicycling infrastructure across campus, and the formation of several professional development groups, including the Graduate Teachers Learning Community. Improved organizational visibility and image through website maintenance and development.

Tutor: August 2011 – August 2012
The Writing Center
Provided support at all stages of the writing process, from planning to polishing. Strong emphasis on ESL students.

SERVICE AND GROUPS

Georgia Institute of Technology
Programming Historian Reviewer, 2019-present
Ivan Allen College Faculty Advisory Board, 2019-present
Postdoctoral Research Symposium Judge, 2019
CRIDC Judge, 2019
ACH Conference Reviewer, 2019
Digital Integrative Liberal Arts Center Steering Committee, 2017-present
Writing and Communication DevLab Committee, 2018

University of Miami

Digital Humanities Independent Research Group, 2015-2017
Graduate Teachers' Learning Community, Founder and President, 2013-2015
Critical Theory Reading Group, 2014
Executive Board Webmaster, Graduate Student Association, 2012-2014
Library and Information Resource Committee, 2012-2014
Graduate Council, 2012-2014
UBike Committee, 2012-2014
Honor Council, 2012-2014

AWARDS

Best Paper Award, International Conference for Interactive Digital Storytelling, 2020
Best Dissertation Runner-Up, University of Miami, Center for the Humanities, 2017
UGrow Fellowship, University of Miami, Center for Computational Science, 2015-2016
Mary K. Parker Essay Prize, First Place, University of Miami, 2014
Mary K. Parker Essay Prize, Second Place, University of Miami, 2013
Award of Academic Merit, University of Miami, 2013
Max and Peggy Kriloff Graduate Student Travel Scholarship, University of Miami, 2012-2016
GSA Travel Scholarship, University of Miami, 2012-2016
Graduate Fellowship, University of Miami, 2011-2016

LANGUAGES AND COMPETENCIES

Spanish, German, and French – Read, and write with competence
Programming languages – R, Python, bash scripting, C++, java, html, sql, Pascal, BASIC, HTML, CSS
with competence.
Platforms – Microsoft Office Suite; Adobe Suite; Gephi, Storymaps, Tableau, NLP suites, Mallet,
MorphAdorner, Wordpress, Omeka, Scalar, t-sne, word2vec, gensim, TensorFlow, and other deep
learning frameworks

MEMBERSHIPS

Association of Digital Humanities Organizations
Modern Language Association
South Atlantic Modern Language Association