Dr. Candice L. Lanius

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Huntsville, AL 35899   Office: Morton Hall 232G
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Education

Ph.D.   Rensselaer Polytechnic Institute, Troy, NY   May 2017
                 Communication and Rhetoric
                      Dissertation: *Arguments in Big Social Data Analysis: Uncovering the Hidden*
                      Rhetoric of Sociological Data Science (Advisor: Dr. Ekaterina Haskins)

Certificate   Rensselaer Polytechnic Institute, Troy, NY   May 2015
                 Graduate Certificate in Human-Computer Interaction

M.S.   Rensselaer Polytechnic Institute, Troy, NY   May 2014

B.A.   The George Washington University, Washington, DC   May 2012
                 Anthropology and Statistics, Cum Laude

Fellowships and Awards

Rensselaer Founders Award of Excellence   Oct. 2016
Rensselaer Humanities, Arts, and Social Sciences (HASS) Fellowship   Aug. 2015 – May 2017
The McKinney Prize, 1st Place Graduate Essay   April 2016
Joanne Wagner Memorial Fellowship   Sept. 2015 – Sept. 2016
The McKinney Prize, 2nd Place Graduate Essay   April 2015
Rhetorical Studies Award, Dept. Travel Award   Aug. 2014
Rensselaer Graduate Fellowship   Aug. 2012 – May 2013
Board of Trustees Scholar (GWU)   Aug. 2010 – May 2012

Refereed Publications

Chambers, J., & Lanius, C. (In review). Tumblr, pro-ana, and neurotic trends: Exploring the role of social
      media in the struggle with anorexia nervosa. *Florida Communication Journal*.

Lanius, C. (In review). In the arms of humor. In H. Crandall & K. Morehouse (Eds.), *Public Speaking*
      Teacher Stories.

Robinson, J., Weber, R., & Lanius, C. (Forthcoming). Mapping the territory of UX research.
      Communication Design Quarterly Special Issue on Rethinking Approaches to Usability and User
      Experience Design, 5(3).

Lanius, C. (Forthcoming). Data Cannot Speak for Themselves: Unreasonable Claims within the Big Social
      Data Community. *Proceedings of the Summer Conference on Argumentation* (20th, Alta, Utah,
      July 20-23).

Lanius, C. & Hubbell, G. (2017). The new data: Argumentation amidst, on, with, and in data. In A. Hess
      & A. Davisson (Eds.), *Theorizing digital rhetoric.* New York: Routledge.

Lanius, C. (2017). Tiffi (Candy Crush). In R. Mejia, J. Banks, & A. Adams (Eds.), *The 100 greatest video*

game characters. Lanham, MD: Rowman & Littlefield.

Lanius, C. (2017). Telling the quants from the quacks: Evaluating statistical arguments in debates online. In M. Folk & S. Apostel (Eds.), *Establishing and evaluating online credibility and digital ethos.* Hershey, PA: IGI Global.

Lanius, C. (2016, September). Arguments and interpretation in big social data analysis: A survey of the ASONAM community. In *2016 International Conference on Advances in Social Networks Analysis and Mining (ASONAM)* (pp. 1364 - 1367). IEEE.

Lanius, C. (2016). Big data goes to Washington: How protestors navigate aggregated social media content. In G. W. Richardson, Jr. (Ed.), *Social media and politics: A new way to participate in the political process*. Santa Barbara, CA: Praeger.

Lanius, C. (2015). OpenNY: Civic engagement through open data and open platforms. In E. Gordon & P. Mihailidis (Eds.), *The civic media project*. Cambridge, MA: MIT Press. civicmediaproject.org.

Lanius, C. (2011). YouTube commentary: Social interactions in online publics. *The Eagle Feather*, University of North Texas, Denton. (Available at eaglefeather.honors.unt.edu/2011/article/143#.WGMOi_krLIU).

Presentations

Lanius, C. (2017, July 22). *Data cannot speak for themselves: Unreasonable claims within the big social data community.* Paper for the 2017 Alta Argumentation Conference, Alta, Utah.

Lanius, C. (2016, November 11). *"It's common sense!": The unseen resources for generating research questions and interpretations in big social data.* Paper for the 2016 National Communication Association Convention, Philadelphia, Pennsylvania.

Lanius, C. (2016, October 25). *The hidden anxieties of the quantified self movement: A user experience take on self-tracking and the therapeutic relationship.* Invited talk for the User Experience Professionals Association- Tennessee Valley (UXPA), Huntsville, Alabama.

Lanius, C. (2016, September 15). *Data sharing practices in big social data: A review of the ASONAM community*. Poster presented at the Research Data Alliance's 8th Plenary, Denver, Colorado.

Lanius, C. (2016, September 14). *Panel: Data for the public good- a next-generation vision.* Panel at the International Data Forum, Denver, Colorado.

Lanius, C. (2016, September 7). *The hidden anxieties of the quantified self movement: A rhetorical take on self-tracking and the therapeutic relationship.* Invited grand round presentation at Albany Medical Center, Department of Psychiatry, Albany, New York.

Lanius, C. (2016, August 18). *Arguments and interpretation in big social data analysis: A survey of the ASONAM community.* Poster at the 2016 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining, San Francisco, California.

Lanius, C. (2016, May 28). *Data differentiation, rhetoric's machines: Procedures, algorithms, and computation.* Paper for the 2016 Rhetoric Society of America Conference, Atlanta, Georgia.

Lanius, C. (2016, May 27). *Topoi of mathematical statistics.* Paper for the 2016 Rhetoric Society of

America Conference, Atlanta, Georgia.

Lanius, C. (2016, May 19*). "It's common sense!": The unseen resources for generating research questions and interpretations in big social data*. Invited paper presentation at Albany Medical Center Journal Club, Albany, New York.

Lanius, C. (2015, November 18). *Finding agency in the data science machine: Understanding emerging climate change arguments from automated data modeling.* Paper for the 2015 National Communication Association Convention, Las Vegas, Nevada.

Lanius, C. (2014, November 20). *The bigger the data the harder the fall? Opportunities, methodologies, and challenges to big data analysis.* Paper for the 2014 National Communication Association Convention, Chicago, Illinois.

Lanius, C. (2014, September 22). *RDA/US: Building the infrastructure in the United States.* Poster presented at the Research Data Alliance's 4th Plenary, Amsterdam, Netherlands.

Hubbell, G. & Lanius, C. (2014, May 22). *Borders within rhetoric: What are the contemporary canons?* Paper for the 2014 Rhetoric Society of America Conference, San Antonio, Texas.

Lanius, C. (2012). *Contextualizing Kony 2012.* Paper for the Neoliberalism 2.0: Technologies, Power, and Resistance Across Borders Conference. University of Illinois, Urbana-Champaign.

Research and Communication Positions

Alliance for Digital Humanities Organizations   August 2017 - *Current*
      Communications co-Chair
Worked with Pietro Santachiara to supervise the Fellows program, oversee website internationalization, and strategic communication for the organization.

Alliance for Digital Humanities Organizations   July 2015 – July 2016
      Communications Fellow
      Supervisor: Hannah Jacobs, Duke University
Supported ADHO's outreach mission by writing news releases, blog posts, and announcements for ADHO's constituent organizations. Monitored, researched, and updated the ADHO website.

Research Data Alliance   Aug. 2014 – Aug. 2015
      US Resident
      Supervisor: Dr. Francine Berman, Rensselaer Polytechnic Institute
Graduate Research Assistant for the RDA/US leadership team, assisting with outreach projects, communication efforts, and research necessary for long term strategy development.

Time Inc.   June – Aug. 2014
      Digital Product Analyst/ UX Research
      Manager: Manoj Shah, Technology & Product Engineering, New York, NY
Graduate Internship working collaboratively with a development team on a novel mobile reading experience. Analyzed current digital products, completed competitor research and audience surveys.

Anthropology Department, GWU   Sept. 2011—May 2012
      Administrative and Research Assistant
      Supervisor: Dr. Stephen Lubkemann, Anthropology, The George Washington University

Provided administrative assistance and supported primary research on Diasporas in post-conflict societies by processing analytical frames, performing statistical analyses, and preparing data.

Anthropology Research Experience for Undergraduates   June – July 2011
        NSF REU Researcher
        Director: Dr. Beverly Davenport, Anthropology, University of North Texas
Independent research on the formation of social understanding in interactive, online communities. Utilized conversation analysis, statistical testing, qualitative surveys, and content frequency mapping.

Teaching Experience

Lecturer
Department of Communication Arts, University of Alabama in Huntsville

CM 620 Advanced Research Methods	Spring 2018
CM 420/520 Public Relations Writing	Spring 2018
CM 113 Introduction to Rhetorical Communication (3 sections, 1 honors)	Fall 2017
CM 220 Introduction to Public Relations	Fall 2017
CM 313 Professional and Business Communication [Hybrid]	Summer 2017
CM 113 Introduction to Rhetorical Communication	Summer 2017
CM 552 User Centered Design	Spring 2017
CM 340 Digital Rhetoric	Spring 2017
CM 113 Introduction to Rhetorical Communication (2 sections, 1 honors)	Spring 2017
CM 113 Introduction to Rhetorical Communication (4 Sections)	Fall 2016

Guest Lecturer
    Rensselaer Polytechnic Institute, Troy, NY
    Professor Rebecca Rouse, Communication and Media
    Course: Proposing and Persuading   April 2015

    Professor Nathan Fisk, Science and Technology Studies
    Course: Internet & Law   March 2013
    Course: Youth & Teens Online   Dec. 2012

Graduate Teaching Assistant   Aug. 2013 – May 2014
    Professor Roger Grice, Communication and Media
    Rensselaer Polytechnic Institute, Troy, NY
    Courses: Foundations of HCI, Introduction to HCI

Novice Debate Education Coordinator   Sept. 2010 – May 2012
    George Washington Parliamentary Debate Society
    The George Washington University, Washington, DC

Statistics Tutor   Sept. 2010 – May 2012
    The George Washington University, Washington, DC

Writing Preceptor and Teaching Assistant   Jan. 2011- May 2011
    Dr. Catherine Timura, Writing in the Discipline Program
    The George Washington University, Washington, DC
    Course: Foundations in Anthropological Thought

Professional Service

Research Data Alliance

Co-Chair *Ethics and Social Aspects of Data Sharing* Interest Group	April 2015 – *Current*
8th Plenary Newcomer's Session Co-organizer, Denver, Colorado	Sept. 2016
6th Plenary Newcomer's Session Organizer, Paris, France	Sept. 2015
5th Plenary Program Committee, San Diego, CA	March 2015

Journal of Games Criticism   Aug. 2013- 2016
    Editorial Board Member - Press Editor

Reviewer for:
Communication +1	2016
National Communication Association *Student Section*	2016
National Communication Association *Human Computer Technology Division*	2015

Big Data, Ethics, and Society (BDES) Network   Jan. 2016
    Member

HASS *UnLearn* Event   Feb. 2013
    Planning Committee and Participant

George Washington Parliamentary Debate Society
Vice-President	Aug. 2011 – May 2012
Communication's Chair	Aug. 2010 – July 2011
Member-at-Large	Jan. 2010 – July 2010

Other Writing

Lanius, C. (2016, January 20). Big Data's Negligible Impact on Underserved Communities is Still Firmly Ignored. Guest post for *Cyborgology. thesocietypages.org/cyborgology/2016/01/20/big-datas-negligible-impact-on-underserved-communities-is-still-firmly-ignored.* View count: 487.

Lanius, C. (2015, November 5). How Do We Talk About Ethics at a Tech Conference? Guest post for *Cyborgology.* thesocietypages.org/cyborgology/2015/11/05/how-do-we-talk-about-ethics-at-a-tech-conference. View count: 396.

Lanius, C. (2015, May 5). The Hidden Anxieties of the Quantified Self Movement. Guest post for *Cyborgology. thesocietypages.org/cyborgology/2015/05/05/the-hidden-anxieties-of-the-quantified-self-movement.* View count: 714.

Lanius, C. (2015, January 12). Fact Check: Your Demand for Statistical Proof is Racist. Guest post for *Cyborgology. thesocietypages.org/cyborgology/2015/01/12/fact-check-your-demand-for-statistical-proof-is-racist*. View count: 19,491

Technical Skills

Graphic Design for Scientific Applications
- Rhetoric of visual communication elements – contrast, scale, color, typography
- Visualization type selection – charts, tables, graphs, geospatial maps, networks, etc.
- Graphic software suites and data visualization platforms: Cytoscape, Science of Science (Sci2).
- Iterative design and validation with clients or user communities.

Human-Computer Interaction
- User centered interface design
- Static and dynamic interface prototyping
- Usability testing

- Client and community design validation
- Technical writing for documentation and introductory tutorials

Statistical Programming
- Statistical languages: SPSS, R, and SAS for both operational use and program management.
- Built automated statistical operators using Pascal:
- Basic literacy in programming languages: Python and CSS.

Survey Research and Research Design
- Survey building and coding: Qualtrics, Google forms, Surveymonkey
- Qualitative data analysis: Atlas.ti
- Strong verbal and written communication

Professional Affiliations

Alliance for Digital Humanities Organizations
National Communication Association
Research Data Alliance
Rhetoric Society of America
Association for Computing Machinery

References

Available upon request.

Personal Interests

Amateur Runner

Rocket City Marathon, Huntsville, AL	Dec. 2017
Bridge Street Half Marathon, Huntsville, AL	April 2017
Heel and Crank Duathlon, Mooresville, AL	April 2017
Little River Canyon Half Marathon	Oct. 2016
Bridge Street Half Marathon, Huntsville, AL	April 2016
Rocket City Marathon, Huntsville, AL	Dec. 2015
Huntsville Half Marathon, AL	Nov. 2015
Monte Sano 15k, Huntsville, AL	Oct. 2015
Empire State Marathon, Syracuse, NY	Oct. 2014
ING Hartford Half Marathon, Hartford, CT	Oct. 2012