Christopher A. Lindgren

Department of English
Tompkins Hall 131D
North Carolina State University
Raleigh, NC 27695
calindgr@ncsu.edu
clndgrn.com

Education

University of Minnesota Writing Studies

Ph.D. in Rhetoric and Scientific and Technical Communication, 2017
Dissertation: Ways with data: Understanding coding as writing
Committee: Christina Haas (Advisor), Richard Graff, Patrick Bruch & Sashank Varma (Outside member, Educational Psychology)

North Dakota State University English

M.A. in Composition Studies, 2012
B.A. in English Studies, 2004

Appointments

North Carolina State University, English

Assistant Professor of Technical Communication
Fall 2024 – present

Virginia Tech, English

Assistant Professor of Technical Communication and Data Visualization
Fall 2017 – Spring 2024

Publications

in-progress articles

Cana Uluak Itchuaqiyaq, Chris Lindgren, Andi Ogier, and Paisaq Crosby. Supporting Indigenous Data Sovereignty through Community-led Partnerships: The Rematriation Project. *American Indian Culture and Research Journal.* Invited to contribute for a special issue on "U.S. Indigenous Data Sovereignty and Governance." Drafting for December submission.

The ethics and legalities of web scraping as a research method. *Technical Communication Quarterly.* Under review.

Cana Uluak Itchuaqiyaq, Chris Lindgren, Kara Long, Andi Ogier, Lucy Boyd, and Paisaq Crosby. Reimagining archives in the age of AI: A decolonial and relational approach. *Technical Communication Quarterly.* Special issue on "Archives and AI: Theories, Methodologies, and Practices." Under review.

Chris Lindgren, Julie Gerdes, and Halcyon Lawrence. The future of ethics and social justice. In Ross, Derek (Ed.), *Routledge Handbook of Ethics in Technical and Professional Communication.* Routledge Press. Accepted and contract approved by press. Invited.

Chris Lindgren, Erin Yunes, and Cana Uluak Itchuaqiyaq. Technical communication's fight against extractive large language modeling by applying FAIR and CARE

principles of data. *Journal of Business and Technical Communication*. Special issue on "Effects of Artificial Intelligence Tools in Technical Communication Pedagogy, Practice, and Research." In production for the Jan. 2025 (39.1) issue. https://doi.org/10.1177/10506519241280587

A stasis network methodology to reckon with the rhetorical process of data: How a data team qualified meaning and practices. *Technical Communication Quarterly*. Advance online publication. https://doi.org/10.1080/10572252.2024.2306259

refereed articles

Cana Uluak Itchuaqiyaq, Chris Lindgren, and Corina Kramer. (2023). Decolonizing community-engaged research: Designing partnerships with cultural humility and community-serving engagement. *Communication Design Quarterly*, *11*(3), 12-20. Special issue on "Making Coalitional Practice Visible."

Chris Lindgren and Margaret Fernandes. (2022). Building an infrastructural praxis: Understanding Twitter's embeddedness in the U.S.-Mexico Border. *Reflections: A Journal of Community-Engaged Writing and Rhetoric*, *22*(1), 166-207. Special issue on "Language, Access, and Power in Technical Communication." https://reflectionsjournal.net/2022/08/building-an-infrastructural-praxis-understanding-twitters-embeddedness-in-the-u-s-mexico-border/

Jim Ridolfo, William Hart-Davidson, and Chris Lindgren. (2022). 'Hello is this the writing center?' Illicit paper mill activity and the compromised recomposition of university websites. *Kairos*, *26*(2). https://praxis.technorhetoric.net/tiki-index.php?page=PraxisWiki:_:PaperMills.

(Jan. 2021). Facts upon delivery: What is rhetorical about visualized models? *Journal of Business and Technical Communication*, *35*(1), 65-72. https://doi.org/10.1177/1050651920958499.

(Jan. 2021). Writing with data: A study of coding on a data-journalism team. *Written Communication*, *38*(1), 114-162. https://doi.org/10.1177/0741088320968061.

Jim Ridolfo & Chris Lindgren. (2020). Rhetmap.org: Composing data for future re-use and visualization. *Kairos*, *28*(1). https://praxis.technorhetoric.net/tiki-index.php?page=PraxisWiki:_:rhetmap.

chapters

Kevin Brooks & Chris Lindgren. (2015). Responding to the coding crisis: From 'Code Year' to computational literacy. In L. C. Lewis, (Ed.), *Strategic Discourse: The Politics of (New) Literacy Crises*. Salt Lake City, UT: Computers and Composition Digital Press. Available at http://ccdigitalpress.org/strategic/index.html.

Kevin Brooks, Chris Lindgren, & Matthew Warner. (2015). Tackling a fundamental problem: Using digital labs to build a smarter computing culture. In B. Hart-Davidson & J. Ridolfo, (Eds.), *Rhetoric and the Digital Humanities*. Chicago, IL: University of Chicago Press.

Byron Hawk, Chris Lindgren, & Andrew Mara. (2015). Utopian laptop initiatives: From technological deism to object-oriented rhetoric. In Sidney Dobrin, (Ed.). *Writing Posthumanism, Posthuman Writing*. Anderson, SC: Parlor Press.

proceedings   Chris Lindgren, Morgan Banville, & Elena Kalodner-Martin. (2023). Extended Abstract: Show your work! Three qualitative methodologies to revise and reimagine quantitative work as communication design. In *Proceedings of the 41st International Conference on Design of Communication (SIGDOC'23)*. ACM.

Laura Gonzales, Cana Itchuaqiyaq, Corina Kramer, Chris Lindgren, Suban Cooley, Daniel P. Richards, Emma Rose, & Kellie Sharp-Hoskins. (2022, July). Extended Abstract: UX in/as political renegotiation. In *2022 IEEE International Professional Communication Conference* (ProComm) (pp. 453-455). IEEE.

Sweta Baniya, Les Hutchinson, Ashanka Kumari, Kyle Larson, & Chris Lindgren. (2019). Representing diversity in digital research: Digital feminist ethics and resisting dominant normatives. In C. Chen, K. Purzycki, & L. Wilkes (Eds.), *The Proceedings of the Annual Computers and Writing Conference*. Fort Collins, CO: WAC Clearinghouse. Available at https://wac.colostate.edu/resources/wac/proceedings/cw2018/.

digital   (2023). Citation Politics in Writing & Rhetoric Prototype Dashboard. Funded by *CCCC*
humanities   *Research Initiative Grant*. https://swr-network.netlify.app.

(2020). Name That Twitter Community!: A Python module for humanities researchers. *Reviews in DH*, 1(2). doi: 10.21428/3e88f64f.1302b7aa.
- Python Package Library (pypl.org) Stats:
  o Over 155,000 downloads since August 2019
  o Over 3,000 average downloads per month

(2020). askcomm. *Zenodo.org* [Open Science platform]. doi: 10.5281/zenodo.8137267.
- Python Package Library (pypl.org) Stats:
  o Over 8,000 downloads since November 2020
  o 247 average downloads per month

(2020). evekeys. *Zenodo.org* [Open Science platform]. doi: 10.5281/zenodo.8137283.
- Python Package Library (pypl.org) Stats:
  o Over 6,800 downloads since July 2020
  o 185 average downloads per month

(2020). urlcounter. *Zenodo.org* [Open Science platform]. doi: 10.5281/zenodo.8137277.
- Python Package Library (pypl.org) Stats:
  o Over 5,600 downloads since June 2020
  o 148 average downloads per month

book reviews   (2013). BASIC coding cultures. [Review of the book *10 PRINT CHR$(205.5+RND(1)); : GOTO 10*, by N. Montfort, P. Baudoin, J. Bell, I. Bogost, J. Douglass, M. C. Marino, M. Mateas, C. Raes, M. Sample, & N. Vawter. *Enculturation, 16*. Available at http://enculturation.net/10-print.

non-refereed   Chris Lindgren, Jim Ridolfo, & William Hart-Davidson. (Jan. 2022). Addendum to [Paper Mill] RhetCompromised: Applicability to Canada. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available http://www.rhetops.org/canada/.

Jim Ridolfo, William Hart-Davidson, & Chris Lindgren. (Mar. 2021). Addendum to [Paper

Mill] RhetCompromised: Applicability to Australia. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available at http://www.rhetops.org/rhetcompromised/australia/.

Chris Lindgren, Jim Ridolfo, & William Hart-Davidson. (Aug. 2021). Addendum to [Paper Mill] RhetCompromised: Applicability to United States. *Rhet Ops: Rhetoric and Information Warfare*. [Blog / Report] Available at http://www.rhetops.org/august/.

(22 Aug. 2016). Exploring #RSA16 Twitter data. *The Coalition of Feminist Scholars in the History of Rhetoric and Composition*. Available at https://cfshrc.org/inventing-new-ways-with-twitter-data/

(30 Jun. 2015). Interview with digital rhetorician Estee Beck on algorithmic surveillance. *Institute of Advanced Study*: *CodeWork Collaborative*. University of Minnesota. Available at https://umncodework.github.io/past_events/codework-interview-beck-digrhet-surveillance/.

(15 Jun. 2015). Interview with new media artist Daniel Temkin on esolangs. *Institute of Advanced Study*: *CodeWork Collaborative*. University of Minnesota. Available at https://umncodework.github.io/past_events/codework-interview-temkin-esolangs/.

Presentations

invited

Guest lecture. (2023 Nov. 7). Discussing topics and issues in the subfield of Writing and Rhetorics of Code. John Gordon's multi-disciplinary undergraduate course, "Code Studies." Utah State University.

Guest lecture. (2023 Sep. 5). Discussing social media data collection, network analysis, and my article, "Building an Infrastructural Praxis." Jacob Greene's graduate-level course, "Digital Research Methods." Arizona State University.

Keynote address. Jim Ridolfo, William Hart-Davidson, & Chris Lindgren. (20 Oct. 2021). Tracking illicit 'paper mill' activity and the compromised recomposition of university websites. *International Center for Academic Integrity's International Day of Action Against Contract Cheating*. University Ombuds, Michigan State University.

Guest lecture. (2021 Apr. 14). Discussing my article, "Writing with data." John Gallagher's "Writing with Technologies" undergraduate course. University of Illinois-Urbana-Champaign.

Guest lecture. (2018 Feb. 6). Discussing rhetoric, code and software studies. "Rhetoric, Technology, and the Internet" undergraduate course, University of Minnesota-Twin Cities.

(Nov. 2018). Writing with data: A case of a coder's data sense on a data-journalism team. *STS Seminar*. Department of Science, Technology, and Society, Virginia Tech.

(Jan. 2016). Code literacy. *Critical Code Studies Working Group* (Online, dialogic conference). The Humanities and Critical Code Studies Lab, University of Southern California.

(Oct. 2014). The dynamic materialities of computer programming practices. *ACM*

SIGDOC. Colorado Springs, CO.

(Mar. 2014). Critical code studies roundtable. *Digital Arts, Sciences, and Humanities*. University of Minnesota: Digital Library Services. 540-257-0720

conferences   Cana Uluak Itchuaqiyaq, Chris Lindgren, Andi Ogier, and Dylan Paisaq Crosby. (Apr. 2024). Supporting Indigenous Data Sovereignty through Community-led Partnerships: The Rematriation Project. *U.S. Indigenous Data Sovereignty Summit: Building Action to Power*. U.S. Indigenous Data Sovereignty Network Summit. Tucson, AZ.

(Mar. 2024). How to identify recurrent conflicts and issues during quantitative work with a Stasis Network methodology. Symposium on Communicating Complex Information. Old Dominion University, Norfolk, VA.

(Oct. 2023). A stasis network methodology to reckon with the rhetorical process of data. *Show your work! Three qualitative methodologies to revise and reimagine quantitative work as communication design*. ACM SIGDOC. Orlando, FL.

Cana Uluak Itchuaqiyaq, Kara Long, Chris Lindgren, Erin Yunes, Corina Kramer. (24 Feb 2023). The Rematriation Project: Developing a collaborative, equitable, Indigenous-first digital archive design process. *Arctic Science Summit Week*. Vienna, Austria.

Cana Uluak Itchuaqiyaq, Chris Lindgren, & Corina Kramer. Enacting Equitable UX in Community-Engaged Rematriation Research. *IEEE ProComm*. Limerick, Ireland.

Sweta Baniya, Chris Lindgren, Kevin Smith, Steve Parks, and Laura Gonzales. (Mar. 2022). The white supremacy of academic scholarship: A data analysis of Composition/Rhetoric top journals and the denial of equity. *NCTE CCCC*. Chicago, IL.

Lindgren, Chris & Margaret Fernandes. (Jun. 2021). The when of racialized infrastructure: Proximities of white supremacy on Twitter. *ATTW*. Online.

Lindgren, Chris & Margaret Fernandes. (Mar. 2020). Proximities of white supremacy online: Towards measuring racist discourse to engage content moderation problems. *ATTW*. Milwaukee, WI. [Conference cancelled]

(Mar. 2019). Ethical tactics for coding literacy. *NCTE CCCC*. Pittsburgh, PA.

(May 2018). Invention and quantification: Finding stories with digital data. *Rhetoric Society of America*. Minneapolis, MN.

Baniya, Sweta G., Hutchinson, Les, Kumari, Ashanka, Larson, Kyle & Chris Lindgren. (May 2018). Roundtable on Representing diversity in digital research: Digital feminist ethics and resisting dominant normatives. *Computers & Writing*. Fairfax, VA.

(Feb. 2018). Finding stories with data through computer coding. *Symposium on Communicating Complex Information*. East Carolina University, Greenville, NC.

(Sep. 2016). Understanding big data processing as designing provisional texts. *ACM*

SIGDOC: Student Research Competition. Silver Springs, MD.

(May 2016). How do you know what they are doing? Researching the rhetorics of action and procedure with an embodied and distributed methodology. *Rhetoric Society of America*. Atlanta, GA.

(Oct. 2015). Writing practices anchored by links. *WIDE-EMU*. Michigan State University, East Lansing, MI.

(May 2014). Swapping gender and negotiating differences through data structures. *Rhetoric Society of America*. San Antonio, TX.

Christina Haas & Chris Lindgren. (February 2014). Panel co-respondent. The material turn in Writing Studies. *Writing Across Borders III*. Paris, France.

(Oct. 2013). The rhetorical influence of Google's ecosystem of APIs on web developer practices. *Western States Rhetoric & Literacies*. Salt Lake City, UT.

(Apr. 2013). The performative stylistics of glitching video codecs. *Doing Rhetoric at the U*. Minneapolis, MN.

(Mar. 2013). Building a smarter computing culture with proceduracy. *NCTE CCCC*. Las Vegas, NV.

(Dec. 2012). De-boxing Pandora: Tinkering with glitch art methodologies. *GLI.TC/H*. Chicago, IL.

Kevin Brooks, Chris Lindgren, Emily Bartz & Jade Sandbulte. (Nov. 2012). The techno-social politics of the Sugar OS: An afterschool computer program case study." *Great Plains Alliance for Computers and Writing*. Mankato, MN.

Kevin Brooks & Chris Lindgren. (May 2011). Participating in OLPC: Visions for Computers and Writing. *Computers and Writing*. University of Michigan.

Chris Lindgren, Abigail Bakke, Sreerupa Sengupta & Karen Sorenson. (October 2010). Second Life and Writing in the Design Professions. *Great Plains Alliance for Computers and Writing*. North Dakota State University.

Grants
external
funded

The Rematriation Project
- *Wilburforce Foundation*
  - Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren
  - Start date: 09/01/2022
  - $5,000
- *Trust for Mutual Understanding*
  - Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren
  - Start date: 8/24/2022
  - $17,000
- *NorthLight Foundation*
  - Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren

- o Start date: 08/09/2022
- o $10,000
- *Ocean Conservancy*
  - o Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren
  - o Start date: 06/01/2022
  - o $25,000
- *Trust for Mutual Understanding*
  - o Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren
  - o Start date: 12/20/2021
  - o $15,750

The White Supremacy of Academic Scholarship: A Data Analysis of Composition/Rhetoric Top Journals and the Denial of Equity.
- CCCC Research Initiative Grant.
  - o Principal investigators: Sweta Baniya, Chris Lindgren, Kevin Smith, Steve Parks, and Laura Gonzales
  - o Start date: Summer 2022
  - o $2,500

internal funded

- What visualization and documentation strategies do data scientists use during machine-learning projects? First-Year Fralin Undergraduate Research Fellowship Program. *Fralin Life Sciences Institute.*
  - o Principal investigator: Chris Lindgren
  - o Start date: 01/18/2023
  - o $1,500

- Planning the Digitization of the Caleb Pungowiyi Collection. *University Libraries Collaborative Research Grant for Humanities & Social Sciences.*
  - o Principal investigators: Cana Uluak Itchuaqiyaq, Chris Lindgren, and Mike Adamo
  - o Start date: 01/18/2022
  - o $5,000

- English Department Summer Stipend.
  - o Start date: Summer 2021
  - o $5,000

- Center for Humanities Summer Stipend. Proximities of white supremacy online: Towards measuring racist discourse to engage content moderation problems.
  - o Start date: Summer 2020
  - o $4,000

- Faculty Mentoring Grant. *Virginia Tech.*
  - o Start date: Fall 2018
  - o $1,500

- CodeWork: Exploring Digital Studies through code. *Institute for Advanced Study: Research and Creative Collaborative*, University of Minnesota.
  - o Principal investigators: Justin Schell, Chris Lindgren, Alison Link, and Jeffrey Kerzner

- o Start date: Fall 2014 – Spring 2015
- o $10,000

- Sugar on a Stick: Establishing a Smart Computing Culture in Fargo. *Community Projects Award: NDSU Office of the President*.
  - o Principal investigators: Kevin Brooks, Brian Slator, and Chris Lindgren
  - o Start date: Fall 2011 – Spring 2012
  - o $20,000

not funded
- Center for Humanities Summer Stipend. What are programming languages?
  - o Start date: Summer 2019
  - o $4,000

- Niles Grant. Virginia Tech, CLAHS Faculty Grants.
  - o Start date: Summer 2019
  - o $4,000

- Niles Grant. Virginia Tech, CLAHS Faculty Grants.
  - o Start date: Fall 2017
  - o $4,000

Community-Outreach

roles
- Partner, "Rematriation of Inuit Knowledges Project," Aqqaluk Trust & Virginia Tech: (Department of English and VT Libraries). (2021 – current).
- Co-Founder, "Sugar on a Stick" Computational Coding Afterschool Program for Grades 3-5, Fargo, ND (2010-2013). Co-Partnered with Sugar Labs. https://wiki.sugarlabs.org/go/Sugar_on_a_Stick.

events
- Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner. (18 Apr. 2015). CodeWork Unconference + Hackathon. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. https://github.com/UMNCodeWork.
- Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner co-hosted with Girls in Tech MSP (Minneapolis). (31 Mar. 2015). Coffee and Code with CodeWork & GiTMSP. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. Available at https://umncodework.github.io/past_events/coffee-and-code-with-girlsintech/.
- Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner co-hosted with Code for America's local affiliate group, Open Twin Cities. (26 Feb. 2015). CodeWork/Open Twin Cities February Book Club: "Should all government data be made publicly accessible?" *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. Available at https://umncodework.github.io/past_events/february-book-club/.

Workshops & Symposiums

national
invited   Chris Lindgren & Dan Richards. (Oct. 2024). "Does SIGDOC Need a New Logo?": An

Exploration of Visual Rhetoric, Ethics, and Identity. *ACM SIGDOC*. George Mason U, Fairfax, VA.

Chris Lindgren, Marissa Buccilli, & Amilia Evans. (29 Jun. 2022). Socially Just Content Strategy. *Association of Teachers of Technical Writing*. Online-Only.

planned / coordinated

(11 Nov. 2022). Webscraping with Python! - Part 1 – The legalities and ethics of web scraping as a data collection method. *SIGWROC*. https://sigwroc.github.io/wroc-web-scraping-series/1-overview-setup/index.html.

(15 Apr. 2015). Ethics of codework - Parsing ethical responsibilities: Drs. James Brown, Jr. and Phillip Barry. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. https://umncodework.github.io/past_events/codework-event-on-rhetoric-writing/.

(24 Oct. 2014). The rhetorics of code-work and programming as writing. Special Panel of interdisciplinary scholars: Drs. Annette Vee, Cristina Videira Lopes & Krista Kennedy. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. https://umncodework.github.io/past_events/codework-event-on-rhetoric-writing/.

(Feb.-Mar. 2014). 'Genderswapping' or 'misgendering'? A question of 'Jailbreaking the Patriarchy'. *Critical Code Studies Working Group* (*discussion thread leader*). The Humanities and Critical Code Studies Lab, University of Southern California.

regional
  planned / coordinated

Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner. (18 Apr. 2015). CodeWork Unconference + Hackathon. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. https://github.com/UMNCodeWork.

Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner co-hosted with Girls in Tech MSP (Minneapolis). (31 Mar. 2015). Coffee and Code with CodeWork & GiTMSP. *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. Available at https://umncodework.github.io/past_events/coffee-and-code-with-girlsintech/.

Allison Link, Justin Schell, Chris Lindgren, & Jeffrey Kerzner co-hosted with Code for America's local affiliate group, Open Twin Cities. (26 Feb. 2015). CodeWork/Open Twin Cities February Book Club: "Should all government data be made publically accessible?" *CodeWork Collaborative*. Institute of Advanced Studies, University of Minnesota. Available at https://umncodework.github.io/past_events/february-book-club/.

departmental

(Jan 2023). Mock job talk for advisee (Marti Wagnon). Virginia Tech, Department of English.

(Fall 2021). Mock job interview workshop. Virginia Tech, Department of English.

(Fall 2020). Alternative Academic Career Workshop and Q&A. *Rhetoric & Writing*. Virginia Tech, Department of English.

(May 2019). Project management: On scaffolding investment & accountability during team projects. *Professional & Technical Writing Summer Workshop*. Virginia Tech, Department of English.

(Nov. 2018). Analytical coding workshop. Virginia Tech, Center for Rhetoric in Society. Co-designed with guest scholar Dr. Cheryl Geisler.

(Oct. 2018). Mock job interview workshop. Virginia Tech, Department of English.

(Oct. 2017). Resume workshop. Virginia Tech, Department of English.

(May 2016). DITA and writing with content reuse in mind. *Advanced Writing Symposium*. University of Minnesota-Twin-Cities, Department of Writing Studies.

(Dec. 2014). Setting up your online portfolio website & basic HTML and CSS. *Professional Development Workshop Series*. University of Minnesota-Twin-Cities, Department of Writing Studies.

(Oct. 2014). Constructing your professional web presence. *Professional Development Workshop Series*. University of Minnesota-Twin-Cities, Department of Writing Studies.

Chris Lindgren & Rebecca Hayes. (Oct. 2011). Seeing and constructing visual arguments in online spaces. *Innovation in the Composition Classroom: Ways to Incorporate Digital Tools*. North Dakota State University.

(Aug. 2011). The GeoProfile Project: Stories cutting across maps. *English Department Teachers Orientation Workshop*. North Dakota State University.

(Aug. 2010). Online writing spaces with Weebly.com. *English Department Technologies Workshop*, North Dakota State University.

Public Coverage

Press

Universities warned over online 'cheating hacks.' (14 Apr. 2021). *The Australian*. https://www.theaustralian.com.au/higher-education/universities-warned-over-online-cheating-hacks/news-story/22a0e81a298a5fe0cc51b855c0835c16

Essay mills 'infiltrating university websites.' (31 Mar. 2021). Times Higher Education. https://www.timeshighereducation.com/news/essay-mills-infiltrating-university-websites

Cheating companies hacked websites at MIT, Stanford, Columbia and more than 100 other schools. (25 Feb. 2021). *Forbes.com*. https://www.forbes.com/sites/dereknewton/2021/02/25/cheating-companies-hacked-websites-at-mit-stanford-columbia--and-more-than-100-other-schools

Learning sweetly: Madison students get a screenful of Sugar program. (27 Mar. 2012). *InForum*. https://www.inforum.com/news/3014953-learning-sweetly-madison-

students-get-screenful-sugar-program

Other   Woods, Charles. (6 Dec. 2021). Interview about 'Hello is this the writing center?' paper mill research. *The Big Rhetorical Podcast*, Ep. 86. https://anchor.fm/the-big-rhetorical/episodes/Episode-86-Drs--Bill-Hart-Davidson--Jim-Ridolfo---Chris-Lindgren-e1baj4o

Integrity Unit. (9 Apr. 2021). Advisory Statement: Cyber security concerns – commercial cheating services. Tertiary Education Quality and Standards Agency. https://www.teqsa.gov.au/advisory-statement-cyber-security-concerns-commercial-cheating-services.

Teaching

North Carolina State University	Fall 2024	ENG 314 Technical Document Design & Editing ENG 517 Advanced Technical Writing & Editing
Virginia Tech	Spring 2024	ENGL 3814 Creating User Documentation ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Fall 2023	ENGL 3844 Writing & Digital Media: Writing with Large Language Models ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Spring 2023	ENGL 4814 Developing Online Content: Accessibility-Driven Web Design ENGL 4874 Special Topics: Intersectional Interaction Design
	Fall 2022	ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Spring 2022	ENGL 4814 Developing Online Content: Accessibility-Driven Web Design ENGL 5614 Visual Rhetoric & Document Design: The Problems of Scale and Data in Data Visualization
	Fall 2021	ENGL 3814 Creating User Documentation: Plain Language & Information Design ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Spring 2021	ENGL 4814 Developing Online Content: Accessibility-Driven Web Design

		ENGL 4874 Special Topics: UX Research Methods
	Fall 2020	ENGL 3814 Creating User Documentation: Plain Language & Information Design ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Spring 2020	ENGL 6344 Rhetoric in Digital Environments: Racial-Capitalism & The Design of Communication ENGL 4814 Developing Online Content: Accessibility-Driven Web Design
	Spring 2019	ENGL 4874 Special Topics: Feminisms and Interaction Design ENGL 4814 Developing Online Content
	Fall 2018	ENGL 4814 Developing Online Content ENGL 3844 Writing and Digital Media: Storytelling with Data
	Spring 2018	ENGL 5674 Rhetoric of Science and Technology ENGL 3844 Writing and Digital Media: Storytelling with Data
	Fall 2017	ENGL 3844 Writing and Digital Media: Storytelling with Data (x2)
University of Minnesota	Spring 2017	WRIT 3562W Technical and Professional Writing
	Fall 2016	WRIT 3577W Rhetoric, Technology, and the Internet
	Spring 2016	WRIT 3562W Technical and Professional Writing
	Fall 2015	WRIT 4662W Writing with Digital Technologies
	Spring 2015	WRIT 3577W Rhetoric, Technology, and the Internet
	Fall 2014	WRIT 3577W Rhetoric, Technology, and the Internet
	Fall 2012	WRIT 1301 University Writing
North Dakota State University	Fall 2009 – Spring 2012	ENGL 110 Composition I (2 sections per semester)

Relevant Experiences

Linger Ink Freelance Writer and Editor, 2005 – 2012

- Collaborated with marketing teams on (re)branding campaigns by developing ideas and copy for web, brochures, media kits and radio scripts

- Developed content strategies and websites for businesses
- Wrote and edited grants, proposals, press releases, etc.

Awards & Fellowships

- First-Year Fralin Undergraduate Research Fellowship Program. (Spring 2024). What visualization and documentation strategies do data scientists use during machine-learning projects? *Fralin Life Sciences Institute*. Virginia Tech.
    - Chris Lindgren & Supreet Bonthala (Undergraduate in Computational Modeling and Data Analytics)
    - $1,500
- 1st Place. Student Research Competition. (Sep. 2016). Understanding big data as designing provisional texts: A case of how an aggregate narrative was made. Poster and presentation judged at *Special Interest Group on the Design of Communication*.
- 21st Century Summer Research Fellow. (Summer 2016). Department of Writing Studies and Graduate School, University of Minnesota.
- Graduate Research Partnership Program Fellow. (Summer 2015). Department of Writing Studies and Graduate School, University of Minnesota.
- RSA Social Media Fellow. (May 2014). Rhetoric Society of America.
- James I. Brown Fellow. (Summer 2014). Department of Writing Studies, University of Minnesota.
- Medtronic/Industrial Affiliates Program Fellow. (Spring 2014). Department of Writing Studies, University of Minnesota and Medtronic.
- James I. Brown Fellow. (Spring 2013). Department of Writing Studies, University of Minnesota.

Advising & Mentoring

Ph.D.
  Chair

- Marti Wagnon. *Beyond the tall, tall trees: Studying access and digital literacy in Appalachia* (Graduated Spring 2023).

  Member

- John C. Gordon. Navigating code studies. (external committee member)
- Chloe Robertson. Navigating the Legal Constraints of Being a Nonimmigrant: A Study of the Technical Communication Challenges for International Graduate Students Studying in the US. (Graduated Spring 2024).
- Olayemi Awotayo. *Precarious agency: Migration narratives and internal displacement rhetoric in Nigerian public sphere*.
- Kat Gray. *White Memory and the (Counter)Stories We Might Tell* (Graduated Summer 2023).
- Amilia Evans. *Predominantly white institutions and racialized diversity rhetorics: Building a Critical Discourse Methodology toward an institutional reinscription* (Graduated Spring 2023).
- Margaret Fernandes. *Sensing suppression: The sneaky rhetorics of digital content moderation on TikTok.* (Graduated Spring 2022).
- Matthew Homer. *Towards a Decolonial Haole Rhetoric.* (Graduated Spring 2022).
- Kelly Scarff. *Beyond consensus: A rhetorical genre analysis of the Mountain Valley Pipeline's 401 public hearings.* (Graduated Spring 2021)
- Andrew Kulak. *Internet ontology and the future of digital rhetoric.* (Graduated Spring

2019).

M.A.	
Chair	• Jonathan Harding. *Student perceptions of screencasted feedback*. (Graduated Spring 2018).
Member	• Rhys Whittemore. *Tabletop role-playing games and the actual play show: Author, audience, and adaptation*. (Graduated Spring 2021). • Zach Thomas. *Embodied rhetorics*. (Graduated Spring 2019).

Research Projects

Machine-learning visualization & documentation strategies	Co-occurrence analysis of data visualization and textual documentation strategies in computational notebooks conducting machine-learning techniques • Supreet Bonthala, RA, Undergraduate, Computational Modeling & Data Analytics
The Rematriation Project	Annotating scholarship on UX and content strategy in Libraries and Technical Communication • Tobi Nelson, RA, Undergraduate, Professional & Technical Writing Landscape analysis of digital archive UX • Marissa Buccilli, RA, PhD Student, Rhetoric & Writing • Amilia Evans, RA, PhD Student, Rhetoric & Writing Landscape analysis of digital archive data repositories • Swati Lodha, RA, M.S. Student, Computer Science Data Literacy Curriculum Design and Scripting • Chloe Robertson, RA, PhD Student, Rhetoric & Writing • Temitope Ojedele-Adejumo, RA, PhD Student, Rhetoric & Writing
Studies in Writing & Rhetoric Citational Politics Project	Prototyping Data Dashboard • Levi Banos, Web Developer, B.S. Student, Computer Science
Infrastructural Praxis Twitter Project	Qualitative Coding & Reporting • Maggie Fernandes, RA, Ph.D. Student, Rhetoric & Writing

Service

International	• Reviewer for
	  o *IEEE Transactions on Professional Communication*
	  o *International Journal of SocioTechnology and Knowledge Development*
	  o *Written Communication*
	• Advisory Board Member. ACM Special Interest Group on the Design of Communication. (2022 – present).

- Website Manager. ACM Special Interest Group on the Design of Communication. (2022 – present).

National
- Founder and Chair. Special Interest Group on the Writing and Rhetorics of Code. *NCTE - Conference on College Composition & Communication.*
- Reviewer for
  - *Journal of Business and Technical Communication*
  - *Technical Communication Quarterly*
  - *Computers & Composition*
  - *Kairos*
  - *Present Tense*
  - *Prompt*
  - *Itineration*
- Conference Reviewer for
  - *IEEE Procomm*
  - *ACM SIGDOC*
- Writing Mentor. *Kairos.*
- Data designer. Rhetmap.org: Market comparison. Produce and maintain data visualizations for discipline's job market website.
- (Oct. 2022). Consulted faculty at the University of Utah about the design of their new "Code Studies" course.
- (Jan. 2021). Consulted faculty at the University of Washington about the design of their new "Data Studies" minor.

University

Virginia Tech
- Member. Undergraduate Curriculum Committee. (Spring 2024-current). College of Liberal Arts, Humanities, and Social Sciences.
- Member. Working Group for new "Digital Content Creation" minor. (Fall 2021). College of Liberal Arts, Humanities, and Social Sciences.
- Member. Communities of Practice for Writing-Intensive Courses. (Summer 2020). College of Liberal Arts, Humanities, and Social Sciences.
- Co-Founder. CodeWork Collaborative grant-funded project. (Fall 2014 – Spring 2015). Institute for Advanced Study. University of Minnesota-Twin Cities.

University of Minnesota
- Co-Founder. CodeWork Collaborative grant-funded project. (Fall 2014 – Spring 2015). Institute for Advanced Study. University of Minnesota-Twin Cities.

Department

North Carolina State University
- Member. M.S. Technical Communication Program Committee.

Virginia Tech
- Member. Diversity Committee (Fall 2023-Spring 2024)
- Member. Professional and Technical Writing Committee (2020-2023)
- Member. Rhetoric & Writing PhD Program Committee (2017-2022)
- Member. Executive Committee (2019-2021)
- Member. Addressing Anti-Blackness in Professional and Technical Writing Working Group (2020)
- Member. Caregivers Working Group (2020)
- Member. Professional and Technical Writing Sub-Committee (2018-19)

- Member. Recruitment Committee (2017-19)
- Pathways General Education Course Redesign: Writing and Digital Media (ENGL 3844, Approved Fall 2019)
- Co-planned redesign of department's Digital Studio classroom (Spring 2018)
- Organized Guest Scholar Visit: Dr. Annette Vee (Fall 2018)
- PhD Application Review Committee (Spring 2018)

Affiliations

- ACM - Special Interest Group on the Design of Communication
- Association of Teachers of Technical Writing
- NCTE
- NCTE/CCCC - Special Interest Group on the Writing and Rhetoric of Code

Languages

Human
- Mandarin (2 years of coursework)

Human/Machine
- HTML5/CSS3 (Advanced)
- Python (Advanced)
- JavaScript (Advanced)
  o Including experience with Observable/D3 frameworks
- DITA (Intermediate)
- Node.js/React (Intermediate)
- PHP (Novice)
- R (Novice)

Proficiencies

Research Methods

Qualitative:
- Ethnographic methods: interviewing and observational techniques
- Case-study design and analysis
- Survey design

Quantitative:
- Social network analysis: centralities, community detection, backbone, and multiple correspondence analyses
- Natural language processing: lemmatization and stemming, keyword extraction and shifts, named entity recognition, and topic modeling

Usability and UX:
- Task/scenario development
- A/B testing
- Think-aloud protocols
- User interviews
- Agile methodology

Content Strategy:
- Landscape analysis
- Content inventories and audits
- Prioritization planning (stakeholder interviewing, content overlays, priority

guides)

Computational Environments	Jupyter notebooks Observable Rstudio (novice) Tableau Gephi
Video	Adobe Premiere iMovie
Graphic/Image	Adobe Illustrator and Photoshop GIMP Inkscape FFMPEG/Imagick
Audio	Ableton Live Adobe Audition Audacity
Course Management	Blackboard Canvas Moodle
Version Control	git/Github FTP