

Lindah Kotut

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RESEARCH INTEREST

Using Human Computer Interaction to **learn from** and **amplify** stories from marginalized communities.

ACADEMIC APPOINTMENTS

Assistant Professor

University of Washington, Information School

Seattle, WA

September 2021 – Onwards

EDUCATION

Virginia Tech

Ph.D in Computer Science

Graduate Certificate – Urban Computing

Blacksburg, VA

Aug. 2016 – May 2021

May 2020

Norfolk State University

Master of Science in Computer Science

Norfolk, VA

Aug. 2014 – May 2016

Georgia Southern University

Bachelor of Science in Computer Science

Statesboro, GA

Aug. 2011 – Dec. 2012

Darton College

Associate of Science in Computer Science

Albany, GA

May 2008 – May 2010

PUBLICATIONS

Conference Proceedings/ Journals

1. 🏆 [CHI 2022] **Lindah Kotut**, D. Scott McCrickard. “Winds of Change: Seeking, Preserving, and Retelling Indigenous Knowledge Through Self-Organized Online Communities.” ACM CHI Conference on Human Factors in Computing Systems. New Orleans, LA. April 2022. [**12.5% Acceptance Rate**] *Best Paper, Honorable Mention*
2. [GROUP 2022] **Lindah Kotut**, D. Scott McCrickard. “The *TL;DR Charter*: Speculatively Demystifying Privacy Policy Documents and Terms Agreements.” ACM International Conference on Supporting Group Work., Sanibel Island, FL. 2022.
3. [CSCW 2021] Neelma Bhatti, **Lindah Kotut**, Derek Haqq, Timothy L Stelter, Morva Saaty, D. Scott McCrickard, Aisling Kelliher. “Parenting, Studying And Working At Home In A Foreign Country: How International Student Mothers In The US Use Screen Media For And With Their Young Children.” PACM-HCI CSCW 2021.
4. [AfriCHI 2021] **Lindah Kotut**, D. Scott McCrickard. “Trail as Heritage: Safeguarding Location-Specific and Transient Indigenous Knowledge.” In Proceedings of The ACM African Conference for Human Computer Interaction (AfriCHI). Maputo, Mozambique, March 2021. [**35% Acceptance Rate**]
5. [IJCCI 2021] **Lindah Kotut**, Ann Hoang, Havisha Panda, Jennifer Shenk, Phyllis Newbill, Derek Kellogg, D. Scott McCrickard. “Supporting Child-Group Interactions with Hands-off Museum Exhibit.” International Journal of Child-Computer Interaction.
6. [CHI 2020] **Lindah Kotut**, Michael Horning, Timothy L. Stelter and D. Scott McCrickard. “Preparing for the Unexpected: Community Framework for Social Media Use and Social Support by Trail Thru-Hikers.” ACM CHI Conference on Human Factors in Computing Systems., Honolulu, HI. April 2020. [**24.3% Acceptance Rate**]
7. [CHI 2020] **Lindah Kotut**, Neelma Bhatti, Morva Saaty, Derek Haqq, Timothy L. Stelter and D. Scott McCrickard. “Clash of Times: Respectful Technology Space for Integrating Community Stories in Intangible Exhibits.” ACM CHI Conference on Human Factors in Computing Systems., Honolulu, HI. April 2020. [**24.3% Acceptance Rate**]

8. [FIE 2020] Andrey Esakia, **Lindah Kotut**. “Smartwatch-Centered Design and Development in Mobile Computing Classes.” 2020 IEEE Frontiers in Education Conference (FIE), Uppsala Sweden. October 2020.
9. [GROUP 2020] **Lindah Kotut**, Timothy L. Stelter, Michael Horning and D. Scott McCrickard. “Willing Buyer, Willing Seller: Personal Data Trade as a Service.” ACM International Conference on Supporting Group Work (GROUP ’20)., Sanibel Island, FL. January 2020. [26.3% Acceptance Rate]
10. [GROUP 2020] Shuo Niu, D. Scott McCrickard, Julia Nguyen, Derek Haqq, **Lindah Kotut**, Timothy L. Stelter and Edward Alan Fox. “Investigating Paradigms of Shared Overviews in Multiple Display Environments.” ACM International Conference on Supporting Group Work (GROUP ’20)., Sanibel Island, FL. January 2020. [31.5% Acceptance Rate]
11. [GROUP 2020] **Lindah Kotut**, “Using Stories to Understand Technology Needs and Technology Reuse by Rural Communities.” ACM International Conference on Supporting Group Work (GROUP ’20)., Sanibel Island, FL. January 2020.
12. [AfriCHI 2018] **Lindah Kotut**, Ann Hoang, Jennifer Shenk, Havisha Panda and D. Scott McCrickard. “Technology at the Museum: The Missing Voice.” In Proceedings of The ACM African Conference for Human Computer Interaction (AfriCHI). Windhoek, Namibia, December 2018.
13. [UrbComp 2018] Swapna Thorve, **Lindah Kotut**, Mary Semaan. “Privacy Preserving Smart Meter Data.” The 7th International Workshop on Urban Computing (UrbComp), London, UK, Aug. 2018.
14. [CYBERSEC 2018] **Lindah Kotut**, and Luay A. Wahsheh, “Survey of Cyber Security Challenges and Solutions in Smart Grids,” 2016 Cybersecurity Symposium (CYBERSEC), Coeur d’Alene, ID, 2016.

Book Chapters

15. [HCI Outdoors] **Lindah Kotut**, Scott McCrickard. “Opportunities in Conflict on the Trail.” In HCI Outdoors: Theory, Design, Methods and Applications. Springer International Publishing. 2020.

Workshop Proceedings (Lightly Reviewed)

16. [CHI 2020] **Lindah Kotut** and D. Scott McCrickard. “Amplifying the Griot: Design Fiction for Development as an Inclusivity Lens.” Workshop on Understanding the Past, Present, and Future of Design Fictions at CHI. Honolulu, HI. April 2020.
17. [CSCW 2018] **Lindah Kotut**, Michael Horning, Derek Haqq, Shuo Niu, Timothy Stelter, D. Scott McCrickard. “Tensions on Trails: Understanding Differences between Group and Community Needs in Outdoor Settings.” Rural Computing Workshop at CSCW. Jersey City, NJ. November 2018.
18. [CHI 2018] **Lindah Kotut**, Michael Horning, Steve Harrison, Scott McCrickard. “Opportunity in Conflict: Understanding Tension Among Key Groups on the Trail.” HCI Outdoors Workshop at CHI. Montreal, Quebec. April 2018.
19. [GROUP 2018] **Lindah Kotut**, Michael Horning, Scott McCrickard. “Who’s on the Trail: Identifying Trail Uses with Affinity Diagrams.” Workshop on Technology on the Trail at ACM GROUP 2018. Sanibel Island, FL. August 2018.

Invited Talks and Posters

20. *Invited Talk*: “The Long Way Home: Understanding Technology Needs and Technology Use by Trail Thru-Hikers” DUB Seminar–Brigham Young University. March 2022.
21. *Invited Talk*: “Amplifying the Griot: (Ancient) Stories Guiding the Design of Fair, Equitable, and Transparent Systems” DUB Seminar–University of Washington. October 2021.
22. *Invited Talk*: “Amplifying the Griot: (Ancient) Stories Guiding the Design of Fair, Equitable and Transparent Systems” Responsible Data Science and AI speaker series at the University of Illinois at Urbana-Champaign. September 2021.
23. *Invited Talk*: “Clash of Times: Respectful Technology Space for Integrating Community Stories in Intangible Exhibits.” Third Space Research Group – University of Toronto. July 2020.

24. [Tapia 2020] Linda Kotut. "Connecting while Disconnected: Technology Use by Long Distance Hikers on the Appalachian Trail." ACM Richard Tapia Celebration of Diversity in Computing Conference (Tapia 2020). Online. September 2020. (*Peer Reviewed Poster*)
25. 🏆 [GROUP 2020] Linda Kotut. "Using Stories to Understand Technology Needs and Technology Reuse by Rural Communities." ACM International Conference on Supporting Group Work (GROUP '20), Sanibel Island, Florida. January 2020. *Best Poster Award*
26. [CRA-URMD'20] Linda Kotut. "All Things Considered: Stories as Signals and Guides to Understand and Design for Unmet Needs." Computing Research Association Grad Cohort for Underrepresented Minority and People with Disability, Austin, Texas.
27. [CRA-URMD'19] Linda Kotut. "Designing for Playful Interactions at a Hands-off Evolving Exhibit." Computing Research Association Grad Cohort for Underrepresented Minority and People with Disability, Kona, Hawaii.

Theses

28. 🏆 [PhD] **Dissertation:** "Amplifying the Griot: Technology for Preserving, Retelling, and Supporting Underrepresented Stories." **Committee:** D. Scott McCrickard(Chair) Naren Ramakrishnan, Tanu Mitra, Michael Horning, and Norman Su. *2022 Outstanding Dissertation Award, STEM*
29. [MSc] **Thesis:** "Trust But Verify: Towards Assessing Permission Risk And Effective Presentation Of Evaluations To The End User." **Committee:** Luay A. Wahsheh (Chair), Johnathan Graham, Felicia Doswell
30. [BSc] **Honors Thesis:** "Abnormal Data Detection in Cyber Physical Systems: A Statistical Outlier Approach" **Thesis Advisors:** Wenjia Li, Ardian Greca

TEACHING EXPERIENCE

Instructor, University of Washington, Seattle, WA

- INFO 360: Design Thinking Winter 2022
- INFO 415: Emerging Topics in Information Assurance and Cybersecurity Autumn 2021

Instructor of Record, Virginia Tech, Blacksburg, VA

- CS 2104: Introduction to Problem Solving in Computer Science Spring 2021, Fall 2020
- CS 1114: Introduction to Software Design (6–300 students) 7 Semesters
- CS 1054: Introduction to Programming with Java 4 Summer Sessions

Graduate Teaching Assistant, Virginia Tech, Blacksburg, VA

- CS 2114: Software Design & Data Structures Spring 2018
- CS 1114: Introduction to Software Design Fall 2016 – Fall 2019

OTHER PROFESSIONAL EXPERIENCE

Graduate Research/Teaching Assistant

Norfolk State University

Norfolk, VA
Aug. 2014 – Aug. 2016

Web Developer/Web Designer

Georgia Southern University

Statesboro, GA
Aug. 2011 – Sept. 2013

Video Editor

Darton College

Albany, GA
May 2008 – May 2010

AWARDS

2022: Outstanding Dissertation Award in the "Science, Technology, Engineering and Mathematics" Category, Virginia Tech

2020: Instructor of the Year Award, Department of Computer Science at Virginia Tech

2020: Sponsorship to attend & present at ACM Richard Tapia Celebration of Diversity in Computing

2020: Best Poster Award. ACM International Conference on Supporting Group Work (GROUP 2020)

2018: Advised *The Gardenator* project that won the VTURCS Marston Award for most entrepreneurial project and a Capstone Awards (for the undergraduate co-researchers)

2018: VT Center for Human Computer Interaction (CHCI) Travel Grant

2018–2019: Travel award to attend Computing Research Association Grad Cohort (CRA-URMD)

2016: NSU Award for Outstanding Graduate Student, Computer Science

2015–2016: Travel award to attend CRA Grad Cohort for Women (CRA-W)

2013: Silver Addy Award (design and development) for “True Blue Holiday Countdown” Application and “The President’s Report” website

2012: Georgia Southern University Honors Scholar Graduate

2010: Outstanding Student in Computer Science

PROFESSIONAL ACTIVITIES

Undergraduate Research Advising

2022: Hanna Lee, John Nguyen, Noa Roth (University of Washington–*Independent Study*)

2020: Julia Nguyen, Kelly Ervin (Virginia Tech–*Independent Study*)

2019: Julia Nguyen (*Senior Capstone*, Virginia Tech)

2018: Ann Hoang, Jennifer Shenk, Havisha Panda (*Senior Capstone - With Co-authorship*), Virginia Tech)

2016: James Crawford (Allen University), Jonah Yurko-Galvin (Norfolk State University), Sylvio Garcia III (University of Virgin Islands) Yihnew Eshetu (University of Virginia) - (*Summer Research, Sponsored by NSF*, Norfolk State University)

2015: Eniola Adamson (Tennessee State), James Gadson (Allen University), Eliaking Del Rosario, Allyssa Williams, and Gabriel Ramos (University of Virgin Islands) - (*Summer Research, Sponsored by NSF*, Norfolk State University)

Mentoring

2017, 2018: **Graduate Mentor** - TechGirls (Sponsored by U.S. Department of State)

2016: **Graduate Mentor** - CyberSecurity Summer Internship

2015: **Graduate Mentor** - Summer Internship at Norfolk State University

External Service

Organizing Committee: GROUP 2022

Program Committee: CHI 2022, GROUP 2022, GROUP 2020

Reviewer: CHI 2022, CHI 2021, CSCW 2020, CHI 2020 (*Special Recognition for Outstanding Paper Reviewing*), FIE 2020, IDC 2020, GROUP 2020, CHI 2019

Student Volunteer CSCW 2020

Internal Service

- **Committees:** Ph.D. Admissions Committee, 2021/2022