

DARICIA WILKINSON

DOCTORAL STUDENT | HUMAN-CENTERED COMPUTING
School of Computing | College of Engineering and Applied Sciences
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Using human computer interaction to promote safety, fairness, and trust in algorithmic technologies

Education

Clemson University

Clemson, SC

PH.D. IN HUMAN-CENTERED COMPUTING. EXP. SPRING 2022

Aug. 2016–Exp. Spring 2022

- Dissertation Title: Understanding and Designing for Mobile Online Safety: A Cross-Cultural Approach
- Research Areas: *User Experience, Usable Privacy, Recommender Systems*
- Advisor: Dr. Bart Knijnenburg

Clemson University

Clemson, SC

M.S. IN COMPUTER SCIENCE

Aug. 2016–May 2019

- Focus: Social Computing and Data Visualization

University of the Virgin Islands

St. Thomas, VI

B.S. IN INFORMATION SYSTEMS AND TECHNOLOGY

Aug. 2013–May 2016

- Summa Cum Laude

Experience

Clemson University – Humans and Technology Lab (HATLab)

Clemson, SC

GRADUATE RESEARCHER

Aug 2016–Present

- Investigated threats and affordances to online safety for vulnerable populations in the Caribbean
- Led user study on improving data transparency to help users understand mobile data sharing practices with third parties
- Researched novel mechanisms that would improve transparency in the ad experience on social media

Max Planck Institute

Saarbrücken, Germany

USER EXPERIENCE RESEARCH INTERN

Jun 2021–Aug 2021

Supervisor: Dr. Elissa Redmiles

- Researched safety strategies for persons using online dating apps
- Studied technological affordances that support online and offline safety
- Collaborated with researchers to design comprehensive online survey to examine safety strategies

NortonLifeLock

Sunnyvale, CA

USER EXPERIENCE RESEARCH INTERN

Supervisor: Dr. Susanta Nanda and Dr. Kevin Roundy

Sep 2019–Dec 2019

- Developed research plan to investigate ad experiences in social media
- Conducted systematic literature review which led to the development of a published paper on ad explanations in social media
- Designed, led, and analyzed an online user study on ad explanations

IBM Research

Dublin, Ireland

USER EXPERIENCE RESEARCH INTERN

Supervisor: Dr. Ozgur Alkan and Dr. Elizabeth Daly

May 2019–Aug 2019

- Applied HCI research methodology to develop, execute and analyze projects that explore users' experience with intelligent conversational agents which resulted in a research paper

Carnegie Mellon University

Pittsburgh, PA

USABLE PRIVACY AND SECURITY INTERN

May 2015 - Aug. 2015

Supervisors: Dr. Lorrie Cranor and Dr. Abigail Marsh

- Conducted and assisted with in-person and remote user interviews to understand teens' risky online behavior and mitigation techniques
- Led a design thinking session to guide two high-school students in developing prototypes for innovative privacy interface solution
- Assisted with executing a focus group study and the design process of a privacy browser plug-in

- Redesigned a new interactive homepage and landing pages for specific events
- Led a time saving initiative by organizing efficient online registration for workshops

Publications

Peer-Reviewed Publications

1. Wilkinson, D., & Knijnenburg, B. P. (2022). **Many Islands, Many Problems: An Empirical Examination of Online Safety Behaviors in the Caribbean**. In The Proceedings of the 2022 CHI Conference on Human Factors in Computing Systems.
2. Im, J., Schoenebeck, S., Wilkinson, D., Batool, A., Alharvi, R., Funwie, A., Gankhuu, T., Gilbert, E., Naseem, M. (2022). **Beyond Borders: Women's Perspectives on Harm and Justice after Online Harassment**. In the Proceedings of the 2022 CSCW Conference On Computer- Supported Cooperative Work And Social Computing.
3. Wilkinson, D. (2021). **Artificially Intelligent and Inclusive by Design: A Human-Centered Approach to Online Safety**. Proceedings of the 1st Workshop on Adverse Impacts and Collateral Effects of Artificial Intelligence Technologies - AIOAI 2021 co-located with 30th International Conference on Artificial Intelligence (IJCAI 2021).
4. Wilkinson, D., Namara, M., Guo, L., Patil, K., Knijnenburg, B. P. (2021). **The Pursuit of Transparency and Control: A Taxonomy of Ad Explanations in Social Media**. The proceedings of the Hawaii International Conference on System Sciences (HICSS).
🏆 Nominated for Best Paper Award
5. Wilkinson, D., Alkan, O., Liao, Q. V., Mattetti, M., Vejsbjerg, I., Daly, E. M., Knijnenburg, B. P. (2021). **Why or why not? The Effect of Justification Styles on Chatbot Recommendations**. ACM Transactions on Information Systems (TOIS).
6. Wilkinson, D. (2020). **All Experiences Matter: Designing Safety Tools for Vulnerable Groups in the Caribbean**. In Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (pp. 1-5).
7. Wilkinson, D., Bahirat, P., Namara, M., Lyu, J., Alsubhi, A., Wisniewski P., & Knijnenburg, B. P. (2020). **Privacy at a Glance: The User-Centric Design of Glanceable Data Exposure Visualizations**. The proceedings of the Privacy Enhancing Technologies Symposium (PETS).
8. Namara, M., Wilkinson, D., Caine, K., & Knijnenburg, B. P. (2020). **Emotional and Practical Considerations toward the Adoption and Abandonment of VPNs as a Privacy-Enhancing Technology**. In the proceedings of the Privacy Enhancing Technologies Symposium (PETS).
9. Sullivan, E., Bountouridis, D., Harambam, J., Najafian, S., Loecherbach, F., Makhortykh, M., Kelen, D., Wilkinson, D., Graus, D., & Tintarev, N. (2019). **Reading News with a Purpose: Explaining User Profiles for Self-Actualization**. Proceedings UMAP (User Modeling, Adaptation and Personalization).
10. Namara, M., Wilkinson, D., Lowens, B. M., Knijnenburg, B. P., Orji, R., & Sekou, R. L. (2018). **Cross-cultural perspectives on eHealth privacy in Africa**. In *Proceedings of the Second African Conference for Human Computer Interaction: Thriving Communities* (p. 7). ACM.
11. Wilkinson, D. (2018). **Testing a recommender system for self-actualization**. In Proceedings of the 12th ACM Conference on Recommender Systems (pp. 543-547). ACM.
12. Wilkinson, D. (2017). **Testing a recommender system for self-actualization**. In Proceedings of the Engineering Computer-Human Interaction in Recommender Systems Workshop 2017 (EnCHIRES).
13. Wilkinson, D., Sivakumar, S., Cherry, D., Knijnenburg, B. P., Raybourn, E. M., Wisniewski, P., & Sloan, H. (2017). **User-tailored privacy by design**. In Proceedings of the Usable Security Mini Conference.
14. Knijnenburg, B., Raybourn, E., Cherry, D., Wilkinson, D., Sivakumar, S., & Sloan, H. (2017). **Death to the Privacy Calculus?**. Available at SSRN: <https://ssrn.com/abstract=2923806>.
15. Knijnenburg, B. P., Sivakumar, S., & Wilkinson, D. (2016). **Recommender systems for self-actualization**. In Proceedings of the 10th ACM Conference on Recommender Systems (pp. 11-14). ACM.

Technical Reports

Knijnenburg, B., Cherry, D., Wilkinson, D., Sivakumar, Ghaiomy Anaraky, R., Namara, M., Ash, E., & Davis R. (2017). **Privacy Support for the Total Learning Architecture: Operational Characteristics**. Technical Report.

Co-organized Workshops

Wilkinson, D., Namara, M., Badillo-Urquiola, K., Wisniewski, P. J., Knijnenburg, B. P., Page, X., ... & Romano-Bergstrom, J. (2018, April). **Moving Beyond a "one-size fits all" Exploring Individual Differences in Privacy**. In *Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems* (pp. 1-8).

Book Chapters

Page, X., Berrios, S., Wilkinson, D., & Wisniewski, P. J. (2021). **Social Media and Privacy**. Modern Socio-Technical Perspectives on Privacy. Springer.

Selected Talks

UNESCO

INVITED SPEAKER: THE ROLE OF ARTIFICIAL INTELLIGENCE AND ONLINE SAFETY

Fall 2021

- Invited to speak for UNESCO's Artificial Intelligence for Information Accessibility (AI4IA) event on online safety in the Caribbean and the role of AI in promoting online safety

Broadcasting Commission of Jamaica

INVITED PANELIST: MEDIA TRENDS (VISIONING THE NEXT 35 YEARS)

Summer 2021

- Participated in panel where I spoke on risks to privacy, safety, and online discourse within the Caribbean

International Conference on eDemocracy & eGovernment (ICEDEG)

TUTORIAL INSTRUCTOR: PRIVACY FOR EDEMOCRACY & EGOVERNMENT

Spring 2019

- Taught course on the privacy risks and implications as it applies to eGovernment and eDemocracy

Facebook

INVITED PRESENTER: DESIGNING USABLE SUPPORT TOOLS FOR VULNERABLE GROUPS IN THE CARIBBEAN

Fall 2019

- Provided presentation of proposed work for the development of safety tools for the Facebook Fellowship Research Summit

IBM

INVITED PRESENTER: CROSS-CULTURAL PERSPECTIVES ON eHEALTH PRIVACY IN AFRICA

Fall 2018

- Prepared and presented materials to IBM researchers on cross-cultural work

University of the Virgin Islands

UVIDEA: CODING WORKSHOP LEADER

2015 - 2016

- Designed, organized, and led a series of workshops to teach elementary students introductory programming skills

Stanford University

UNIVERSITY INNOVATION FELLOWS

2015 - 2016

- Invited summit speaker where I spoke about applying design thinking in STEM and utilizing 3D-printing for social change

Fellowships & Grants

Total Awarded: \$104,000

- \$10,000 FRIDA Open Internet Grant 2020-2021, PI for research on online safety in the Caribbean [\[link\]](#)
- \$84,000 Facebook PhD Fellowship 2019-2021
- \$10,000 Google Women TechMakers Scholar 2019

Honors & Awards

- 2021 **BlackComputeHER Fellowship**, Fellow
- 2019 **Grad Cohort Scholarship**, Computing Research Association CRA- URMD
- 2018 **Invited Participant**, Vivid in Research (Facebook's Graduate Student Research Summit)
- 2018 **ACM Student Travel Grant**, ACM Student Travel Grant - RecSys
- 2018 **Two Sigma Scholarship Recipient**, ACM Student Travel Grant - Tapia
- 2018 **National Society for Blacks in Computing Travel Award**, Recipient
- 2018 **Grad Cohort Scholarship Recipient**, Computing Research Association - URMD
- 2018 **We Are Developers Travel Grant Recipient**, Vienna, Austria
- 2017 **Invited Participant**, Amazon Graduate Student Research Symposium
- 2015 **Travel Scholarship Recipient**, National Society of Blacks in Computing
- 2013-2016 **Dean's List Award**, University of the Virgin Islands

Leadership and Service

- 2021 **Organizing Committee member**, IUI 2022 (Co-publicity chair)
- 2021 **Reviewer**, IUI, UMAP, CSCW, CHI, TIIS, UbiComp
- 2020 **Reviewer**, IUI, UMAP, EuroUSEC, HICSS, RecSys, CSCW
- 2020 **Organizing Committee member**, UMAP 2020 (Publicity Chair), IUI 2021 (Co-publicity chair)
- 2019 **Reviewer**, PeerJ Computer Science Journal, User Modelling, Adaption and Personalization Conference 2019 (UMAP)
- 2019 **Program Committee member**, European Workshop on Usable Security (EuroUSEC)
- 2020
- 2018 **Student Volunteer**, ACM Conference on Recommender Systems (RecSys 2018)
- 2018 **Program Committee member**, Intelligent User-Adapted Interfaces: Design and Multi-Modal Evaluation (IUadaptME) at the User Modelling, Adaption and Personalization Conference 2018 (UMAP)
- 2018 **Reviewer**, ACM Conference on Human Factors in Computing Systems 2018 (CHI 2018)
- 2017-**Volunteer**, Community outreach to high school and elementary students teaching about HCI and STEM research
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Mentorship

- 2021 **Eren Hanley**, HOPE Nevis Research Assistant
- 2021 **Duryan Cozier**, HOPE Nevis Research Assistant
- 2019 **Jessica Qui**, Undergraduate mentee (now at Electronic Arts)
- 2019 **Keerti Kosana**, Student Mentee (now at HP)
- 2019 **Martha Newton**, Undergraduate mentee (now at Syracuse University)
- 2017 **Evonna Jenkins**, Undergraduate mentee