

Lisa Egede

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Research Interests: Human-Centered Design, Ethical AI, Participatory Design with Racially Minoritized Communities

Education

Carnegie Mellon University, PhD in Human Computer Interaction
Advised by Dr. Geoff Kaufman

Aug 2021 - Present

University of Oklahoma (OU), BS in Computer Science Minor in IAS
Undergraduate Research Advisors:
Dr. Christan Grant and Dr. Jasmine DeHart

Aug 2015 - May 2020

Fellowships

Carnegie Mellon HCI Presidential Fellowship
GEM Associate Fellow

Publications

1. [\[Paper\]](#) C. Harrington, **L. Egede**, "Trust, Comfort, and Relatability: Understanding Black Older Adults' Perceptions of Chatbot Design for Health Information Seeking", In Proceedings of the 2023 ACM Conference on Human Factors in Computing Systems (CHI 2023)
2. [\[Paper\]](#) M. Madaio, **L. Egede**, H. Subramonyam, J. Wortman Vaughan, H. Wallach, "Assessing the Fairness of AI Systems: AI Practitioners' Processes, Challenges, and Needs for Support", Proceedings of the ACM on Human-Computer Interaction 6. CSCW (2022): 1-26
3. [\[Paper\]](#) J. DeHart, C. Xu, C. Grant and **L. Egede**, "Proposing an Interactive Audit Pipeline for Visual Privacy Research", 2021 IEEE International Conference on Big Data (Big Data), 2021, pp. 1249-1255

Pre-Prints

[\[Paper\]](#) R. Oruche, **L. Egede**, T. Baker, & F. O'Donncha. (2021). Transfer learning to improve streamflow forecasts in data sparse regions. arXiv preprint arXiv:2112.03088.

Posters & Workshop Submissions

- ❖ [Poster] **L. Egede**, Coney, L, Johnson, B., Harrington, C., Ford, D., "Understanding Black People Building Technology For Black Lived Experiences", ACM Conference on Computing and Sustainable Societies, COMPASS (2023).
- ❖ [Workshop] **L. Egede**. [Understanding Technologists and Creators' Needs for Support](#). *Digital Skills for the Creative Practitioner: Supporting Informal Learning of Technologies for Creativity*. CHI Workshop (2023).
- ❖ [Panel] **L. Egede**, J. DeHart. (2022). [Navigating Your Advisor-Advisee Relationship](#). *Tapia Diversity in Computing Conference*
- ❖ [Poster] J. DeHart, **L. Egede**, C. Grant, Poster: "Exploring Biases in Vision Privacy Protection Techniques," IEEE Symposium on Security Privacy, May 2019.

Blog Posts

- L. Egede (2019). [First Time Hacker to Hacklahoma Executive Member](#). *Medium*.
L. Egede (2019). [In Reflection: Attending Facebook's First Annual Product Design Summit](#).

Internships

IBM Research - Tech for Justice Group Research Intern

Yorktown Heights, NY
May 2021 - Aug 2021

- ❖ Collaborated with IBM researchers and PhD interns in the Tech for Justice group
- ❖ Utilized open source visualization library (Pysheds) to develop an AI tool to predict water availability in Kenya

Microsoft Research - F.A.T.E Group Undergraduate Research Intern

New York, NY (remote)
May 2020 - Aug 2020

- ❖ Collaborated with MSR researchers and PhD interns in the Fairness, Accountability, Transparency and Ethics in AI research group on study protocol design
- ❖ Co-designed semi-structured interviews with AI practitioners and coded interview transcripts to synthesize findings
- ❖ Helped industry product teams generate a greater understanding of fairness criteria and assessment plans needed to meet their goals prior to product release

Chevron Software Development Intern

Houston, TX
May 2019 - Aug 2019

- ❖ Designed a web application using Microsoft PowerApps; with the solution being to help improve data collection and ease metrics tracking process for 167 employees in the Upstream IT department
- ❖ Worked with interns from various departments in IT to develop 2 web applications for Chevron's internal Hackathon

University of Oklahoma in Arezzo (OUA) Marketing and Media Intern

Arezzo, Italy
Fall 2017

- ❖ Designed OUA touch screen, a product that kept students updated with current events in Italy and the U.S.
- ❖ Incorporated 'transportation strikes and travel advisories' feature to help students save time and money

Flexline Tech Web Development Intern

Arezzo, Italy
Fall 2017

- ❖ Improved the Flexline's online and social communications by working with the web/e-commerce team
- ❖ Incorporated company information onto Flexline Tech's website, social media, and newsletter campaigns

Teaching Experience

05410 - User-Centered Research & Evaluation Teaching Assistant @ CMU

Pittsburgh, PA
Fall 2023

- ❖ Taught research methods to a section of 18 students
- ❖ Graded projects and organized course materials

Service

Carnegie Mellon University

REU summer program admissions and application review
REU Seminar Speaker
PhD Applicant Assistant Program Volunteer
HCII PhD Student Open House Volunteer

Spring 2024
Summer 2023
Fall 2022, 2023
Spring 2022, 2023

Other Academic Service

Student Volunteer @ DIS Conference	Summer 2023
Paper Reviewer for CHI Conference	Fall 2023
Secretary of OU's National Society of Black Engineers	Fall 2018-2020
Marketing Strategist for Hacklahoma (OU's annual Hackathon)	Spring 2019 - 2020
Head Counselor for OU AT&T Summer Bridge Program	Summer 2018
Secretary for OU's Women of Power	Spring 2016 - 2018
Web Development Chair for OUA's Student Activities Council	Fall 2017

Scholarships & Awards

CMU GuSH Research Funding Grant Recipient	Spring 2023
CMU SCS Scholar - Tapia Diversity in Computing Conference	September 2022
Atlassian Scholar - Tapia Diversity in Computing Conference	September 2020
OU CS Scholar - Grace Hopper Diversity in Computing Conference	October 2019
Microsoft Scholar - Tapia Diversity in Computing Conference	September 2019
Louis Stokes Alliances for Minority Participation Scholar	Fall 2019 - Spring 2020
Hacklahoma Top 10 Team Winner	Spring 2019
OU Engineering Diversity and Inclusion Scholar	Fall 2019 - Spring 2020
Chevron INROADS Scholar	Spring 2019 - Spring 2019
Shell Leads Diversity NSBE Scholar	Fall 2018-2019
Presidents International Travel Fellowship Recipient	Fall 2017
Stuart Study Abroad Scholar	Fall 2017
Dean's Honor Roll @ University of Oklahoma	Fall 2016 - 2020

Press

- ❖ [Living in the Moment](#). College of International Studies Student Snapshot, (2017).
- ❖ OU Daily Article by Robin Craig. [OU organization aims to empower women of color on campus](#). (2017).

Skills

Research Interests

Human-Centered AI, Co-Designing with Historically Excluded Communities, Ethical AI, Participatory Design, Inclusive Tech, Social Computing

Research Methods

Qualitative Methods, Survey Development, Interviewing, Participatory Design, Data (Collection/Analysis/Interpretation), Usability studies, Semi-Structured interviews, Workshops

Tools

Atlas.ti, Mural, Miro, Figma, Adobe Creative Suite, GitHub

Programming Languages

Proficient: Python

Prior Experience: C++, C, Java, SQL, Bash