

Lisa Egede

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Research Interests: Human-Centered Design, Ethical AI, Participatory Design with Historically Excluded Communities

Education

Carnegie Mellon University, PhD in Human-Computer Interaction

Aug 2021 - Present

Advised by Dr. Geoff Kaufman

University of Oklahoma (OU), BS in Computer Science Minor in International Studies

Aug 2015 - May 2020

Undergraduate Research Advisor: Dr. Christian Grant, Dr. Jasmine DeHart

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
4. [Poster] J. DeHart, **L. Egede**, C. Grant, Poster: "Exploring Biases in Vision Privacy Protection Techniques," IEEE Symposium on Security Privacy, May 2019.

Posters & Workshop Submissions

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

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.

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 Social Justice Group

Graduate Student Intern

- 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

Yorktown Heights, NY

(remote)

May 2021 - August 2021

Microsoft Research - F.A.T.E Group

Undergraduate Research Intern

- Collaborated with MSR researchers and PhD interns 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

New York, NY (remote)

Aug 2015 - May 2020

Chevron

Software Development Intern

- 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

Houston, TX

May 2019 - Aug 2019

University of Oklahoma in Arezzo (OUA)

Marketing and Media Intern

- 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

Arezzo, Italy

Fall 2017

Flexline Tech

Web Development Intern

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

Arezzo, Italy

Fall 2017

Teaching Experience

05410 - User-Centered Research & Evaluation

Teaching Assistant

- TA for a section of 18 students at CMU
- Graded projects, and organized course materials

Pittsburgh, PA

Fall 2023

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 at @ DIS Conference Summer 2023
- Paper Review for CHI Conference Fall 2023
- Secretary of OU's National Society of Black Engineers Fall 2018-2020
- Marketing Strategist for Hacklahoma (OU's annualHackathon) 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
- Tapia Diversity in Computing Conference CMU SCS Scholar September 2022
- Tapia Diversity in Computing Conference - Atlassian Scholar 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 Spring 2019
- Presidents International Travel Fellowship Recipient Fall 2017
- Stuart (Study Abroad) Scholar Fall 2017
- Dean's Honor Roll at 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, Human-Centered Design, Participatory Design, Inclusive Tech, Social Computing

Research Methods

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

Tools

- Figma, Adobe XD, GitHub, Atlas.ti, Mural

Programming Languages

- Proficient: Python
- Prior Experience: C++, C, Java, SQL, Bash

Qualitative Research Methods

- Interviewing, Participant Observation, Participatory Design