

# Lisa Egede

Website: [www.lisaegede.com/](http://www.lisaegede.com/)  
Email: [lisaegede@cmu.edu](mailto:lisaegede@cmu.edu)  
GitHub: [github.com/lisaegede](https://github.com/lisaegede)  
LinkedIn: [lisaegede](#)

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## Education

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### **Carnegie Mellon University**

PhD in Human Computer Interaction Institute

Pittsburgh, PA

Fall 2021–May 2026

### **The University of Oklahoma (OU)**

B.S. in Computer Science, Minor in International Studies

Norman, OK

Fall 2015–Spring 2020

## Research Experience

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### **Teaching Racially Sensitive Topics**

Graduate Student Research

Pittsburgh, PA

Fall 2022 - Current

- Lead on project on understanding how educators/content creators are designing content and curriculum to teach about racially sensitive topics

### **Technologists For Black Lives Project**

Graduate Student Research

Pittsburgh, PA

Fall 2021 - Current

- Co-led study on understanding how developers and technologists have created tools to support Black lived experiences
- Conducted semi-structured interviews with technologists and conducted analysis on data using structural coding

### **IBM Research**

Research Intern

Yorktown Heights, NY (Remote)

Summer 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 (MSR)**

Undergraduate Research Intern

New York, NY (Remote)

Summer 2020

- Collaborated with MSR researchers and PhD interns in the F.A.T.E (Fairness, Accountability, Transparency Ethics in AI) group
- Contributed to 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

### **University of Oklahoma - Data Analytics Lab**

Undergraduate Researcher

Norman, OK

Spring 2018 - Fall 2020

- Modified an object detection script to identify and block images that contained privacy leaks
- Worked closely with PhD candidate to analyze the effects of racial bias in data sets
- Research poster accepted into the 2019 IEEE Symposium on Security and Privacy

### **University of Oklahoma - Independent Research**

Undergraduate Researcher

Arezzo, Italy

Fall 2017

- Collaborated remotely with an OU Professor to identify potential biases in OU's holistic admissions process
- Gathered information and interviewed directors of OU's Admissions office to identify potential biases in their holistic admissions process

## Internships

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### Chevron

Houston, TX

Software Development Intern

Summer 2019

- Developed 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

Arezzo, Italy

Marketing and Media Intern

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

Arezzo, Italy

Web Development Intern

Fall 2017

- 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

## Publications

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1. [Poster] **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)
2. [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).
3. [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.
4. [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
5. J. DeHart, **L. Egede**, C. Grant, Poster: "Exploring Biases in Vision Privacy Protection Techniques", IEEE Symposium on Security Privacy, May 2019

## Skills

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**Research** : Qualitative Methods, Human Computer Interaction (HCI), Survey Development, Interviewing, Participatory Design, Data (Collection/Analysis/Interpretation), Usability studies, Social Computing

**Tools** : Figma, Adobe XD, GitHub, Atlas.ti, Mural

### Programming Languages:

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

**Front End Languages:** HTML, CSS

## Extracurricular Activities

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### **Secretary of OU's National Society of Black Engineers**

**Fall 2018 –Spring 2020**

- Aimed to increase diversity in STEM by creating newsletters to inform members about upcoming events, internship opportunities and scholarships
- Collaborated with sponsoring companies and other NSBE executive members to plan meetings and events that centered around professional development

### **Marketing Strategist for Hacklahoma (OU's Annual 24 Hour Hackathon)**

**Spring 2019 –Spring 2020**

- Worked closely with fellow team members to successfully increase the number of diverse participants that participated in Hacklahoma 2020 (+ 62 people)
- Responsible for spreading information about Hacklahoma by speaking to classes, reaching out to media outlets, etc.

### **Head Counselor for OU AT&T Summer Bridge Program**

**Summer 2018**

- Served as a top point of contact for 50 freshman students along with 8 counselors and Summer Bridge tutors
- Coordinated and planned extracurricular activities with the goal of helping create a smoother college transition for underrepresented freshman students

### **Secretary for OU's Women of Power**

**Spring 2016 –2018**

- Collaborated with other clubs to organize annual fashion show Fashion At Its Finest, an event geared towards offering diverse women trendy, affordable and body conscience fashionable clothing
- Recorded minutes and coordinated events for members (e.g. mental health among college students)

### **Web Development Chair for OU in Arezzo's Student Activities Council**

**Fall 2017**

- Helped organize events geared towards introducing local Italian residents to American traditions/holidays
- Created Student Activities Council website and helped manage social media pages

## Featured Press & Media

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### **Medium Article: First Time Hacker to Hacklahoma Exec Member**

Fall 2019

### **College of International Studies Interview: Living in the Moment (Study Abroad)**

Spring 2018

### **OU Daily: OU organization aims to empower women of color on campus**

Spring 2017

## Conferences & Workshops

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- Tapia Diversity in Computing Workshop - Navigating Your Advisor-Advisee Relationship - Presenter September 2022
- Tapia Diversity in Computing Conference CMU SCS Scholar September 2022
- Tapia Diversity in Computing Conference (Virtual) - Atlassian Scholar September 2020
- Grace Hopper Conference Attendee (OU Computer Science Sponsored) October 2019
- Facebook Product Design Summit Attendee September 2019
- Duke Sloan Grad School Bootcamp Attendee September 2019
- Tapia Diversity in Computing Conference - Microsoft Scholar September 2019
- NSBE National Convention Attendee March 2019
- BP Sophomore Experience Attendee Summer 2018

## Scholarships & Awards

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- GEM Associate Fellow	Fall 2021 –Current
- Oklahoma - Louis Stokes Alliances for Minority Participation (LSAMP) Scholar	Fall 2019–Spring 2020
- Hacklahoma Top 10 Team Winner	Spring 2019
- Engineering Diversity and Inclusion Scholar	Fall 2018–Spring 2020
- Chevron INROADS Scholar	Spring 2018–Spring 2019
- Shell Leads Diversity (NSBE) Scholar	Spring 2019
- Presidents International Travel Fellowship Recipient	Fall 2017
- Stuart (Study Abroad) Scholar	Fall 2017
- Deans Honor Roll at University of Oklahoma	Fall 2016-2019

## Clubs & Memberships

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- Black in AI	Fall 2019 - Current
- Oklahoma - LSAMP	Fall 2019–Spring 2020
- The National Society of Black Engineers	Fall 2018–Spring 2020
- The Society of Women in Computing	Spring 2019–Spring 2020
- INROADS	Fall 2018–Spring 2019
- OU Diversity Inclusion	Spring 2018 –Spring 2020
- Black Student Association	Spring 2016–Spring 2020
- Women of Power	Spring 2016–Spring 2020
- Student Activities Council (OUA)	Fall 2017