

Education

Carnegie Mellon University

PhD in Human Computer Interaction

Pittsburgh, PA

Fall 2021 –Current

The University of Oklahoma (OU)

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

Norman, OK

Fall 2015–Spring 2020

Research Experience

Tech4BlackLives Project

Graduate Student Research

Pittsburgh, PA

Fall 2021 - Current

- Study centered around understanding how Black developers and technologists have created tools to support the lived experiences of Black people
- Co-led semi-structured interviews with technologists and conducted analysis on data using structural coding
- Research project being conducted in collaboration with researchers at various institutions

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 our study protocol design, participated in 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
- Successfully completed a Human Subjects Research training to better understand ethical interviewing protocols
- Gathered information and interviewed directors of OU's Admissions office to identify potential biases in their holistic admissions process

Internships

Chevron

Software Development Intern

Houston, TX

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

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 their website, social media, and newsletter campaigns

Publications

1. 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. CSCW1 (2022): 1-26.
2. 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
3. J. DeHart, L. Egede, C. Grant, Poster: "Exploring Biases in Vision Privacy Protection Techniques", IEEE Symposium on Security Privacy, May 2019

Extracurricular Activities

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 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

Medium Article: First Time Hacker to Hacklahoma Exec Member

Fall 2019

- <https://medium.com/hacklahoma/first-time-hacker-to-hacklahoma-exec-member-497f882b5c8f>

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

Spring 2018

- <https://www.cissnapshot.com/single-post/2018/01/29/Living-in-the-Moment>

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

Spring 2017

- <http://tiny.cc/WomenOfPower-OUDaily>

Conferences & Workshops

- 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

- 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

- 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