

# Jasmine M. DeHart

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## EDUCATION

**Doctor of Philosophy** in Computer Science · University of Oklahoma · GPA: 3.54 May 2023  
*Dissertation: Privacy Mitigation Strategies in Social Media and Smart Environments*  
Chair: Christan Grant  
Committee: Song Fang, Dean Hougen, Susan Walden  
**Master of Science** in Computer Science · University of Oklahoma May 2020  
**Bachelor of Science** in Computer Science · Philander Smith College May 2017  
*Summa Cum Laude · Distinction in Field*

## DISSERTATION RESEARCH

**OU Data Lab**, VIPER Project, Aug 2017 - Present  
This research explores visual privacy research in the fields of social media networks and smart cities. To understand the state of visual privacy research, I conduct qualitative research studies, implement text analysis methods, and train models using computer vision techniques. Furthermore, I propose the use of supervised learning techniques to identify and score private visual content as well as the use of privacy mitigation techniques.  
**Mentored Students:** *John Alberse, Lisa Egede, Oscar Feliz, Blair Hall, Faith Makumbi, To'Nia Ray, Makya Stell*

## PUBLICATIONS

### Journals

**DeHart, J.**, Ajisehiri, O., Erhardt, G., Cleveland, J., Baker, C., Grant, C. Becoming a Smart City: A Textual Analysis of the US Smart City Finalists. *International Journal on Advances in Intelligent Systems*, Vol. 14, No. 1. December 2021.  
**DeHart, J.**, Stell, M., & Grant, C., Social Media and the Scourge of Visual Privacy, *Information* 2020, 11(2), 57

### Conference Proceedings

**DeHart, J.**, Xu, C., Egede, L., Grant, C. Proposing an Interactive Audit Pipeline for Visual Privacy Research. 2021 IEEE International Conference on Big Data (BigData). Orlando, FL. December 2021.  
**DeHart, J.**, Baker, C. E., & Grant, C., Considerations for Designing Private and Inexpensive Smart Cities. The Sixteenth International Conference on Wireless and Mobile Communications (ICWMC). pg 30-33. Porto, Portugal. 2020.

### XRDS Crossroads Magazine Articles

**DeHart, J.**, With fairness and generalizability for all: Kingston, Rhode Island, USA.. XRDS: Crossroads, The ACM Magazine for Students. June 2021.  
**DeHart, J.**, Help!: I need an idea for my dissertation. XRDS: Crossroads, The ACM Magazine for Students. June 2021.  
**DeHart, J.**, Network connectivity made easy with the NetRecon lab. XRDS: Crossroads, The ACM Magazine for Students. March 2021.  
**DeHart, J.**, Fast, private, and fair. XRDS: Crossroads, The ACM Magazine for Students. December 2020.

## PRESENTATIONS

Proposing an Interactive Audit Pipeline for Visual Privacy Research. 2021 IEEE International Conference on Big Data (BigData). Orlando, FL. December 2021.  
Visual Security and Safety (VSS). 27th Annual OK-LSAMP Research Symposium. October 2021  
Considerations for Designing Private and Inexpensive Smart Cities, The Sixteenth International Conference on Wireless and Mobile Communications (ICWMC), October 2020  
Help!? I Need an Idea For My Dissertation, TAPIA Conference, September 2020  
Exploring Biases in Privacy Protection Techniques, IEEE Symposium on Security and Privacy, May 2019  
Visual Inspection for Personal Exposed Records, AT&T Labs Graduate Student Symposium, Nov

2018

Visual Content Privacy Leaks on Social Media Networks, IEEE Symposium on Visualization for Cyber Security, Oct 2018

Visual Content Privacy Leaks on Social Media Networks, IEEE Symposium on Security and Privacy, May 2018

TEACHING  
EXPERIENCE

**UK NACME Google Applied Machine Learning Intensive (AMLI) Summer 2021 Bootcamp** · Teaching Assistant · Lexington, Kentucky · June 2021 - July 2021

- Support teachers in facilitating and executing day to day classroom activities
- Working with students to enhance the learning process
- Assist teachers with grading assignments and communicating policy changes
- Collaborate on research with the Network Reconnaissance Lab at UK
- Create a short term research project for hands on machine learning applications
- Lead a research project for a group final project

INDUSTRY  
EXPERIENCE

**Institute for Defense Analyses (IDA)** · Intern in Information Technology and Systems Division · Alexandria, Virginia · May 2019 - Dec 2020 · *Security Clearance: Secret*

- Projects working with the Army Corps of Engineers and National Guard
- Implementing machine learning and data analysis techniques to solve and enhance processes

**Arkansas Blue Cross Blue Shield (Ark BCBS)** · Intern in Enterprise Underwriting · Little Rock, Arkansas · May 2017 - Aug 2017

- System tester for current enrollment system
  - Tested for end user experience on application
  - Diagnosed issues in the enrollment system
  - Updated and sorted information in database to expedite testing process
- Enhancements on new enrollment (Total Enrollment Solution) software
  - Entrusted to create agent profiles for new enrollment system
  - Evaluated ease of use and end user experience on new system

LANGUAGES

Python, R, C++, C, Java

PACKAGES

PyTorch, Tensorflow, OpenCV, NTLK

AWARDS AND  
RECOGNITION

IEEE BigData 2021 Student Travel Award, 2021

Richard Tapia Celebration for Diversity in Computing Student Scholarship, 2021

Bertha Black Rhoda Fellowship, Sigma Gamma Rho Sorority, Inc., 2021

Legacy Builder Award, Sigma Gamma Rho Sorority, 2021

Richard Tapia Celebration for Diversity in Computing Student Scholarship, 2020

IEEE S&P Student Travel Award, 2019

SMART Scholar, 2019

GEM Fellow, 2019

NextProf Science Workshop, 2019

Ford Predoctoral Fellowship Honorable Mention, 2019

GREPSEC Workshop Travel Award, 2019

Black in AI Workshop Student Travel Grant, 2018

AT&T Labs Graduate Student Travel Award, 2018

VizSec Diversity Scholarship Award, 2018  
IEEE Secon Student Travel Grant, 2018  
NSF Louis Stokes Alliance for Minority Participation Bridge to the Doctorate Fellow, 2017

## SERVICE

### Talks

- Panelist, Life in Grad School, exploreCSR@URI Workshop, 2021
- Panelist, Coded Bias Discussion, Circle Cinema, 2021
- Speaker, Making LSAMP work for YOU!, OK-LSAMP, 2019
- Panelist, How to Pay for Graduate School: Humanities, Social Sciences & STEM, 2018
- Panelist, Undergraduate Transition into Graduate School, 2018

### Presentations

- Co-Organizer, Help!? I Need an Idea For My Dissertation. (Panel Discussion), Richard Tapia Celebration for Diversity in Computing, 2020
- DataBite Workshop Coordinator, OU DALab, 2018 - 2021
- Robotics Volunteer, Local Elementary Schools, 2018 - 2020
- Recruitment, University of Oklahoma at ACM Richard Tapia Celebration for Diversity in Computing, 2018

### Leadership

- Student Volunteer, XRDS: Crossroads, The ACM Magazine for Students, 2020 - Present
- Undergraduate Chapter Advisor, Lambda Upsilon Chapter, Sigma Gamma Rho Sorority, 2019 - Present
- Youth Symposium Coordinator, Sigma Gamma Rho Sorority, Inc., 2020
- Planning Committee, Computer Science Banquet, 2020
- Officer, Computer Science Graduate Student Association, 2018 - 2021
- Mentor, National Society of Black Engineers Mentor program, 2018 - 2020
- Mentor, OK-LSAMP, 2018 - 2020
- Web Master, Computer Science Graduate Student Association, 2018 - 2019

## MEMBERSHIP

Cultural Competence in Computing (3C) Fellows Program, 2020 - Present  
WiCys Student Member, 2019 - Present  
ACM Student Member, 2018 - Present  
IEEE Student Member, 2018 - Present  
IEEE Communications Society Member, 2018  
Sigma Gamma Rho Sorority, Inc., 2018 - Present  
Computer Science Graduate Student Association, 2017 - 2021  
National Society of Black Engineers, 2017 - Present  
Oklahoma Louis Stokes Alliance for Minority Participation (OK-LSAMP), 2017 - 2019  
Arkansas Louis Stokes Alliance for Minority Participation (Ark-LSAMP), 2013 - 2017  
American Geophysical Union Member, 2015