Jasmine M. DeHart, Ph.D.

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SUMMARY OF
QUALIFICATIONS

Experienced computer scientist, researcher, and leader with a proven track record in developing innovative solutions and delivering results. Skilled in a variety of programming languages and adept in computer vision, qualitative analysis, and natural language processing. Known for integrity, professionalism, leadership, and strong team-building skills.

INDUSTRY
EXPERIENCE

Computer Scientist
Air Force Technical Applications Center · Patrick SFB, FL · Nov 2023 - Present
- Researching, designing, and developing software, systems, and methodology to support mission
- Creating and utilizing modeling and simulations to assess projected outcomes of problems and studies
- Promoting a collaborative environment for consulting, guidance, support, and assistance

Adjunct Research Assistant
Institute for Defense Analyses · Alexandria, VA · Aug 2019 - Dec 2020
- Reduced project completion time by 18% with the implementation of machine learning and data analysis techniques to solve and enhance processes
- Leveraged state-of-the-art machine learning models and packages to conduct research which formed the basis for key data, trends, and metrics in projects
- Conducted in-depth analysis of implementation strategies leading to effective deployment and execution

Intern, Information Technology and Systems Division
Institute for Defense Analyses · Alexandria, VA · May 2019 - Aug 2019
- Supported projects and missions for the Army Corps of Engineers and National Guard
- Implemented machine learning and data analysis techniques to solve and enhance workflow bottlenecks

Intern, Intern in Enterprise Underwriting
Arkansas Blue Cross Blue Shield · Little Rock, AR · 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

Intern, Center for Computational Science
Naval Research Laboratory, Washington D.C., May 2016 - Aug 2016
- Conducted system hardening using Department of Defense (DoD) Security Technical Implementation Guides (STIGs) on Windows operating systems
- Patch management and virus containment for Mac and Windows operating systems

Intern, Space Sciences
Naval Research Laboratory, Washington D.C., May 2015 - Aug 2015

- Created a prediction tool (incorporated in website) to find severity of Coronal Mass Ejections' impact based on several determinants
- Developed and designed a website from scratch that encompassed my findings using HTML5 and JavaScript
  - Development of a Coronal Mass Ejections intensity prediction tool
    * American Geophysical Union, December 2015

TEACHING
EXPERIENCE

Instructor, Text Analytics
University of Oklahoma · Norman, OK · Jan 2023 - May 2023
- Trained, supported, and coached the teaching assistant on projects, course activities, and grading
- Crafted syllabus, lectures, projects, and course activities for 60 graduate-level students
- Addressed student concerns and offered support to students through office hours
- Conducted in-person and online courses using various teaching strategies

Teaching Assistant, Distributed Operating Systems
University of Oklahoma · Norman, OK · Aug 2022 - Dec 2022
- Supported in facilitation and execution of course activities, grades, and lectures
- Oversaw grading and daily communication for 30 graduate-level students
- Conducted in-person and online office hours to support students

Teaching Assistant, Operating Systems
University of Oklahoma · Norman, OK · Aug 2022 - Dec 2022
- Supported in facilitation and execution of course activities and grades
- Oversaw grading and daily communication for over 100 students
- Trained, supported, and coached teaching assistants on projects, course activities, and grading
- Conducted in-person and online office hours to support students

Teaching Assistant, Text Analytics
University of Oklahoma · Norman, OK · Jan 2022 - May 2022
- Supported in facilitation and execution of course activities and grades
- Oversaw grading and daily communication for over 60 graduate-level students
- Conducted in-person and online office hours to support students
- Identified and streamlined the grading process resulting in a 200% increase in grading speed and a 50% increase in grading consistency

Teaching Assistant
UK NACME Google Applied Machine Learning Intensive Summer Bootcamp · Lexington, KY · June 2021 - July 2021
- Supported in facilitation and execution of course activities and grades
- Oversaw grading and daily communication for over 100 students
- Collaborated and coordinated several research projects with the Network Reconnaissance Lab
- Collaborate on research with the Network Reconnaissance Lab at UK
- Curated a short-term research project for a small team to gain hands on machine learning experience
- Led, managed, and mentored a team of four undergraduates for a machine learning research project

EDUCATION	**Doctor of Philosophy** in Computer Science · University of Oklahoma	May 2023

Doctor of Philosophy in Computer Science · University of Oklahoma — May 2023
Dissertation: Visual Privacy Mitigation Strategies in Social Media Networks and Smart Environments

Master of Science in Computer Science · University of Oklahoma — May 2020

Bachelor of Science in Computer Science · Philander Smith University — May 2017
Summa Cum Laude · Distinction in Field

TRAINING AND CERTIFICATIONS

CompTIA Security+, CompTIA, 2024

Leadership Effectiveness and Empowerment Program (128 hours), AFTAC Workforce Development, 2024

Dynamic Teaming (16 hours), Air Force Institute of Technology, 2024

Understanding Generations (16 hours), Air Force Institute of Technology, 2024

Cultural Competence in Computing Fellow Program (30 hours), Alliance for Identity-Inclusive Computing Education, 2020-2022

PUBLICATIONS HIGHLIGHTS

DeHart, J., Visual Privacy Mitigation Strategies in Social Media Networks and Smart Environments University of Oklahoma. May 2023.

DeHart, J., Everyone Can Be a Cyborg: University of Alabama, Tuscaloosa, AL XRDS: Crossroads, The ACM Magazine for Students. January 2023.

DeHart, J., Developing and enhancing our realities XR Lab, UC Berkeley XRDS: Crossroads, The ACM Magazine for Students. October 2022.

Number of Journals: 2	Number of Conferences: 2	Number of Magazines: 10
Total Publications: 20	Total Citations: 53	

PRESENTATIONS

Let me Explain! Exploring Large-Scale Networks with Mechanism Characteristics. Sunbelt Conference, International Network for Social Network Analysis XLII. Cairns, Australia. July 2022.

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

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

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, Navigating Advisor-Advisee Relationships, Tapia Conference, 2022
- Co-Organizer, Help!? I Need an Idea For My Dissertation, Tapia Conference, 2020
- Coordinator, DataBite Workshop, OU Data Lab, 2018 - 2021

Leadership
- Student Volunteer, IEEE VIS, 2022

- Youth Symposium Coordinator, Sigma Gamma Rho Sorority, Inc., 2022
- LABZ Editor, XRDS: Crossroads, The ACM Magazine for Students, 2020 - 2022
- Undergraduate Chapter Advisor, Lambda Upsilon, Sigma Gamma Rho Sorority, 2019 - 2022
- Youth Symposium Coordinator, Sigma Gamma Rho Sorority, Inc., 2020
- Mentor, National Society of Black Engineers Mentor program, 2018 - 2020
- Mentor, OK-LSAMP, 2018 - 2020

MENTORED
STUDENTS

John Alberse, B.S. in Computer Science – University of Oklahoma, 2018-2019
Darren Butler, B.S. in Computer Science – Philander Smith University, 2018-2022
Lisa Egede, B.S. in Computer Science – University of Oklahoma, 2018-2020
Oscar Feliz, B.S. in Computer Science – NJIT, 2020
Blair Hall, B.S. in Computer Science – University of Kentucky, 2020
Faith Makumbi, B.S. in Physics – University of Kentucky, 2020
To'Nia Ray, B.S. in Computer Science – University of Kentucky, 2020
Makya Stell, B.S. in Computer Engineering – University of Oklahoma, 2018-2022
Makya Stell, M.S. in Computer Engineering – University of Oklahoma, 2023

AWARDS AND
RECOGNITION

Dissertation Excellence Award, 2022 *[$5,000]*
CS Alumni Graduate Fellowship Award, 2020 & 2022 *[$2,000]*
Bertha Black Rhoda Fellowship, Sigma Gamma Rho Sorority, Inc., 2021 *[$2,000]*
Douglas and Hilda Bourne Scholarship, 2019-2022 *[$15,000]*
Richard Tapia Celebration for Diversity in Computing Student Scholarship, 2020 *[$300]*
IEEE S&P Student Travel Award, 2019 *[$2,500]*
SMART Scholar, 2019-2022 *[$154,466.66]*
GEM Fellow, 2019 *[$38,000]*
NextProf Science Workshop, 2019 *[$1,478.01]*
GREPSEC Workshop Travel Award, 2019 *[$1,755]*
Black in AI Workshop Student Travel Grant, 2018 *[$2,000]*
AT&T Labs Graduate Student Travel Award, 2018 *[$900]*
VizSec Diversity Scholarship Award, 2018 *[$1,135.48]*
IEEE Secon Student Travel Grant, 2018 *[$1,000]*
NSF Louis Stokes Alliance for Minority Participation Bridge to the Doctorate Fellow, 2017 *[$93,952.30]*