Camille Harris

Computer Science PhD Candidate
Interactive Computing Department
Georgia Institute of Technology

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Education

Ph.D., Computer Science, **Georgia Institute of Technology** 2020 - Present.
Advisors: Diyi Yang and Neha Kumar
Thesis Title: An Interdisciplinary Approach to Addressing Discriminatory Outcomes in Downstream Applications of Intelligent Systems
Graduation Date: May 2025
B.A. Computer Science, **University of California, Berkeley** 2015 - 2019.

Research Interests

Fairness, Accountability and Transparency; Social Computing; Natural Language Processing; Human-Computer Interaction

Awards, Grants, and Honors

Awards
Recognition for Contribution Diversity and Inclusion, Association of Computing Machinery, Computer Supported Cooperative Work, 2023
Best Student Paper Award, Equity Access Algorithms Mechanisms and Optimization, 2021
Eugene L. Lawler Prize, UC Berkeley Electrical Engineering Computer Science Department, 2018

Fellowships
Ford Foundation, Ford Pre-Doctoral Fellowship, 2020
National GEM Consortium, GEM Fellowship, 2020

Grants
Amazon, Amazon Consumer Robotics Grant, 2023, $70,000
Meta, 2022, $120,000
Cisco, 2021, $175,000

Publications

Peer-Reviewed Conference Publications

Exploring Racial and Gender Bias in Automatic Speech Recognition
Camille Harris, Chijioke Mgbahurike, Neha Kumar, Diyi Yang
Findings of the Association for Computational Linguistics: Empirical Methods in Natural Language Processing EMNLP 2024

"Honestly, I think TikTok has a Vendetta Against Black Creators": Understanding Black Content Creator Experiences on TikTok
Camille Harris, Amber Johnson, Sadie Palmer, Diyi Yang, Amy Bruckman
The 26th ACM Conference On Computer-Supported Cooperative Work and Social Computing CSCW 2023, Acceptance Rate: 32.7% Recognition for Diversity and Inclusion

SpotLight: Visual Insight Recommendation
Camille Harris Ryan Rossi, Sana Malik, Jane Hoffswell, Fan Du, Tak Yeon Lee, Eunyee Koh, Handong Zhao
The ACM Web Conference WWW 2023, Acceptance Rate: 19.2%

Exploring the Role of Grammar and Word Choice in Bias Toward African American English (AAE) in Hate speech Classification
Camille Harris, Matan Halevy, Ayanna Howard, Amy Bruckman, Diyi Yang
The Fifth Annual ACM Fairness Accountability and Transparency conference. FAccT 2022
Acceptance rate: Overall 36%, Data and Algorithm Evaluation Track 23%

VALUE: Understanding Dialect Disparity in NLU
Caleb Ziems, Jiaao Chen, **Camille Harris**, Jessica Anderson, Diyi Yang
The 60th Annual Meeting of the Association for Computational Linguistics. ACL 2022 Acceptance rate: 20.75%

Mitigating Racial Biases in Toxic Language Detection with an Equity-Based Ensemble Framework
Matan Halevy, **Camille Harris**, Amy Bruckman, Diyi Yang, Ayanna Howard
ACM Conf. on Equity and Access in Algorithms, Mechanisms, and Optimization. EAAMO 2021
Acceptance rate: 21% Best Student Paper Award

Patent

Configuration of User Interface for Intuitive Selection of Insight Visualizations
Camille Harris, Zening Qu, Sana Lee, Ryan Rossi, Fan Du, Eunyee Koh, Tak Yeon Lee, Sungchul Kim, Handong Zhao, Sumit Shekhar
Patent Number: US20220244815A1, Publication Date: 2022-08-04

Experience

Graduate Research Assistant at *Georgia Insitute of Technology* August 2020– Present
Advised by Diyi Yang and Neha Kumar
Mix-method research exploring bias in natural language processing systems and social media platforms.

Research Intern at *IBM Research* May 2023 – August 2023
Tech for Justice Team- Advised by Sara Berger, Raya Horesh, and Rogerio Abreu de Paula

Research Intern at *Snap Inc.* May 2022 – Aug 2022
Algorithm Fairness Team, Advised by Aalok Shanbhag and Subhash Sankuratripati
Used qualitative methods to research fairness issues in Snap camera products; Created framework to test future Snap camera products for fairness across skin tones.

Research Intern at *Adobe Inc.* May 2020 – Dec 2020
Visualization Service Group, Advised by Ryan Rossi Created a now patented insight driven visualization recommendation system that created and ranked the visualizations for arbitrary dataset. Utilized various statistical and machine learning based methods to rank visualizations.

Research Intern at *University of California San Diego* May 2019 – Aug 2019
Advised by Julian McAuley and Mengting Wan
Project exploring gender bias in book recommendation systems. Found gender based biases most exacerbated in latent factor model due to popularity bias towards male authored texts.

Software Engineering Intern at *IBM* May 2017 - Aug 2017
Worked to improved integration solutions between IBM Watson Campaign Automation (WCA) and Salesforce CRM by migrating WCA package to salesforce lightning user interface.

Invited Talks

Invited Lectures and Talks

"Experiences of Black Content Creators on TikTok"
Invited Guest Lecture, University of Michigan School of Information, March 2024

"Experiences of Black Content Creators on TikTok"
Invited Talk, Computer Supported Cooperative Work Southeast Meet-Up, Emory University, Nov 2023

"Algorithmic Bias and Fairness"
Invited Guest Lecture, Georgia Institute of Technology, Computer Science Department, Nov 2023

"Linguistic Bias Toward African Americans in Hate Speech Classification"
Invited Talk at the Workshop on Bridging Methods to Study Sociolectal Variation at LSA Summer Institute, UMass Amherst, July 2023

"Experiences of Black Content Creators on TikTok"
Invited talk, Human-Centered Computing Lunch Speaker Series, Stanford University, May 2023

"Linguistic Bias Toward African Americans in Hate Speech Classification"
Invited Guest Lecture, Georgia Institute of Technology, Computer Science Department, March 2023

"Women of Color in STEM Leadership"
UC Berkeley Womxn on the Rise Summit
Invited Speaker, UC Berkeley Society of Women Engineers, May 2019

Doctoral Consortia

Georgia Tech School of Interactive Computing Summit on Responsible Computing, AI, and Society 2024 Doctoral Consortium, Oct 2024

AAAI/ACM Conference on Artificial Intelligence Ethics and Society 2024 Student Program, Oct 2024

ACM Conference on Fairness Accountability and Transparency 2023 Doctoral Consortium, June 2023

Invited Panel Discussions

"They been tryin' hard to make us all vanish": Repositioning Authority in Science and Technology
Invited Panelist, National Women's Studies Association Conference, Baltimore MD, October 2023

Recognition for Diversity and Inclusion Awardee Panel
Invited Panelist, ACM Conference on Computer Supported Cooperative Work CSCW 2023, Minneapolis MN, October 2023

Securing Fellowship Funding in Grad School
Panel Organizer and Moderator, Georgia Institute of Technology CS 7001 Introduction to Graduate Studies, October 2022

Service

Conference Program Committee

Program Committee, AAAI/ACM Conference on Artificial Intelligence Ethics and Society, 2024
Program Committee, ACM Conference on Fairness Accountability and Transparency, 2024

Peer Reviewing Activities

Reviewer, Emperical Methods in Natural Language Processing- 2024
Reviewer, Queer in AI at North American Association of Computational Linguistics- 2024
Reviewer, Computational Linguistics Journal- 2024
Reviewer, Association of Computational Linguistics- 2024
Reviewer, ACM Conference on Computer Supported Cooperative Work- 2024, 2023
Reviewer, ACM CHI Conference on Human Factors in Computing Systems- 2024, 2023
Reviewer, ACM Transactions on Asian and Low-Resource Language Information Processing- 2022

Other Service

Organizing Committee, Southeast CSCW/CHI Unconference
Student Volunteer, ACM Conference on Fairness, Accountability, and Transparency, 2023
Research Mentor, Stanford CS LINXS Summer Research Program, Summer 2023
Research Mentor, Stanford HAI INSPiRE-CS Summer Research Program, Summer 2023
Reviewer, Georgia Institute of Technology Presidential Undergraduate Research Award, Spring 2023

Mentorship

Vyoma Raman, Masters Student
Fall 2023- Present
Project: Power in NLP, Understanding Power Relationships that Shape NLP Research

Chijioke Mgbahurike, Undergraduate Student
Summer 2023-Present
Project: Bias in Automatic Speech Recognition, analysis of bias towards minority dialects in speech models

Joshua Waters, Undergraduate Student
Summer 2023
Project: Analyzing Bias in Reporting of Police Killings Using Topic Modeling and Latent Dirichlet Allocation

Teaching

Co-Head Teaching Assistant/Lecturer, CS 8001-OUI: Designing and Building User Interfaces
Fall 2024, 49 Students , Georgia Institute of Technology
Teaching Assistant, CS 7001: Introduction to Graduate Studies. Fall 2022, 60 students, Georgia Institute of Technology