

Camille Harris

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

Expected Graduation: May 2025

B.A. Computer Science, **University of California Berkeley** 2015 - 2019.

Research Interests

Fairness, Accountability and Transparency ; Social Computing ; Natural Language Processing

Publications

"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

SpotLight: Visual Insight Recommendation

Camille Harris Ryan Rossi, Sana Malik, Jane Hoffswell, Fan Du, Tak Yeon Lee, Eunye 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: Overall 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: Overall 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, Eunye Koh, Tak Yeon Lee, Sungchul Kim, Handong Zhao, Sumit Shekhar

Patent Number: US20220244815A1, Publication Date: 2022-08-04

Experience

Research Intern at *IBM Research*

May 2023 – Present

Tech for Justice Team- Advised by Sara Berger, Raya Horesh, and Rogerio Abreu de Paula

Graduate Research Assistant at *Georgia Institute of Technology*

Jan 2023 – Present

Advised by Neha Kumar and Diyi Yang

Intersectional analysis of bias in speech-to-text systems. Proposed fine-tuning method to mitigate bias.

Graduate Research Assistant at *Georgia Institute of Technology*

April 2022 – Jan 2023

Advised by Amy Bruckman and Diyi Yang

Study of Black content creator's experiences on TikTok. Semi-structured interview study with thematic analysis and proposed design interventions

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.

Graduate Research Assistant at *Georgia Institute of Technology*

Aug 2020 – Aug 2021

Advised by Ayanna Howard, Diyi Yang and Amy Bruckman

Explored mitigation strategies for bias towards African American English (AAE) in hate speech classification systems. Analysis of relationship between AAE grammar patterns and word choice with classification.

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.

Grants, Awards, and Honors

Grants

Amazon, 2023 \$70,000, wrote grant proposal (individual grant)

Meta, 2022 \$120,000, co-wrote grant proposal

Cisco 2021 \$175,000, co-wrote grant renewal

Fellowships

Ford Foundation, Ford Pre-Doctoral Fellowship, 2020

National GEM Consortium, GEM Fellowship, 2020

Awards

Best Student Paper Award, EAAMO, 2021

Invited Talks

"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 at Human-Centered Computing Lunch, Stanford University, May 2023

"Linguistic Bias Toward African Americans in Hate Speech Classification" Invited Talk at Georgia Institute of Technology, March 2023

Service

Reviewer, ACM Conference on Computer-Supported Cooperative Work and Social Computing, Spring 2023

Reviewer, ACM Transactions on Asian and Low-Resource Language Information Processing, Fall 2022

Reviewer, Presidential Undergraduate Research Award, Spring 2023

Teaching

Teaching Assistant, CS 7001: Introduction to Graduate Studies. Fall 2022
Georgia Institute of Technology