

# Camille Harris

PhD Candidate

Interactive Computing Department  
College of Computing  
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## Education

- Ph.D., Computer Science, **Georgia Institute of Technology** 2020 - Present.  
*Advisors: Diyi Yang and Amy Bruckman*
- B.A. Computer Science, **University of California Berkeley** 2015 - 2019.

## Research Interests

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

## Awards & Honors

- Best Student Paper Award, EAAMO, 2021
- Ford Foundation, Ford Pre-Doctoral Fellowship, 2020
- National GEM Consortium, GEM Fellowship, 2020

## Publications

### *Peer-Reviewed Conference*

3. *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%
2. *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%
1. *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

1. *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

## Experience

- **Graduate Research Assistant** at *Georgia Institute of Technology* April 2022 – Present
  - 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 greater framework to test future Snap camera products for fairness
- **Graduate Research Assistant** at *Georgia Institute of Technology* Aug 2020 – Aug 2021
  - Advised by Ayana Howard, Diyi Yang and Amy Bruckman
  - Explored mitigation strategies for bias towards African American English (AAE) in hate speech classification systems.
  - Used Twitter datasets for AAE dialect and hate speech classifiers to explore the fine-grained 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.
  - Compare the results of recommendations for users from latent factor model, item-item, and user-user recommendation models for gender bias in author gender

## Skills

### *Programming Languages*

Python, Java, Javascript, SQL

### *ML Tools*

Pytorch, Keras, Tensorflow, Pandas

## Grants and Sponsorship

### *Meta Grant*

- \$120,000
- Co-wrote grant proposal
- Investigating the balance of audience growth, content visibility, privacy, and viewer response for Black content creators on TikTok

### *Cisco Grant*

- \$175,000
- Co-wrote grant renewal
- Exploring the Role of Grammar and Word Choice in Bias Toward African American English (AAE) in Hate speech Classification

## Teaching

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

Fall 2022