
EDUCATION	University of Southern California , Los Angeles, CA	2022-
	<ul style="list-style-type: none"> • Ph.D Student, advised by Swabha Swayamdipta 	
	University of Michigan , Ann Arbor, MI	2017-2021
	<ul style="list-style-type: none"> • B.S.E. in Computer Science Engineering (<i>summa cum laude</i>) • B.S. in Honors Mathematics (<i>with distinction</i>) 	
RESEARCH AND INDUSTRY EXPERIENCE	<ul style="list-style-type: none"> • ASAPP 2021- <i>Research Engineer</i> <ul style="list-style-type: none"> ◦ Developing natural language understanding models for intent classification. • ASAPP 2020 <i>Research Intern</i> <ul style="list-style-type: none"> ◦ Developed extractive-abstractive models for dialogue summarization. • University of Michigan Department of Computer Science 2019-2021 <i>Research Assistant</i>, with Joyce Chai <ul style="list-style-type: none"> ◦ Developed multi-modal algorithms for language grounding and situated interactions, with a particular focus on pragmatics (collaboration with Yuwei Bao) • University of Michigan School of Information 2019-2021 <i>Research Assistant</i>, with David Jurgens <ul style="list-style-type: none"> ◦ Quantitatively measured sociolinguistic factors surrounding code-switching between Naijá and English in Nigerian online discussions (collaboration with Innocent Ndubuisi-Obi) ◦ Analyzed cross-lingual exchange on Twitter (collaboration with Julia Mendelsohn and Ceren Budak) ◦ Investigated methods of detecting cross-cultural bias in toxicity models (collaboration with Dylan Baker and Vinodkumar Prabhakaran at Google research) 	
TEACHING EXPERIENCE AND SERVICE	<ul style="list-style-type: none"> • University of Michigan Department of Computer Science 2020-2021 <i>Instructional Assistant</i> for EECS 376 (Foundations of Computer Science) <ul style="list-style-type: none"> ◦ Instructional assistant for introductory class on theoretical computer science covering topics such as Turing Machines, P/NP, randomized algorithms. • University of Michigan Department of Mathematics 2018-2020 <i>Math Lab Tutor</i> <ul style="list-style-type: none"> ◦ Tutor for peers at service provided by Mathematics Department. Conducted one-on-one and group tutoring sessions for students in introductory calculus and linear algebra classes. • University of Michigan 2017-2019 <i>HackBlue</i> <ul style="list-style-type: none"> ◦ Co-founded voluntary student organization affiliated with Michigan Community Scholars Program to teach Ann Arbor/Ypsilanti area middle and high school students about computer programming and engineering, 	

PEER-
REVIEWED
PUBLICA-
TIONS

1. Julia Mendelsohn, Sayan Ghosh, David Jurgens, and Ceren Budak. Bridging nations: Quantifying the role of multilinguals in communication on social media. *Proceedings of the International AAAI Conference on Web and Social Media*, 17(1):626–637, Jun. 2023 (**Best Methodology**)
2. Yuwei Bao, Sayan Ghosh, and Joyce Chai. Learning to mediate disparities towards pragmatic communication. In *Proceedings of the 60th Annual Meeting of the Association for Computational Linguistics (Volume 1: Long Papers)*, pages 2829–2842, Dublin, Ireland, May 2022. Association for Computational Linguistics
3. Sayan Ghosh, Dylan Baker, David Jurgens, and Vinodkumar Prabhakaran. Detecting cross-geographic biases in toxicity modeling on social media. In *Proceedings of the Seventh Workshop on Noisy User-generated Text (W-NUT 2021)*, pages 313–328, Online, November 2021. Association for Computational Linguistics (**Best paper**)
4. Innocent Ndubuisi-Obi*, Sayan Ghosh*, and David Jurgens. Wetin dey with these comments? modeling sociolinguistic factors affecting code-switching behavior in nigerian online discussions. In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics*, pages 6204–6214, Florence, Italy, July 2019. Association for Computational Linguistics

HONORS AND
AWARDS

- Best Methodology Award - ICWSM 2023 2023
- Best Paper Award - Workshop on Noisy User-Generated Text (W-NUT) at EMNLP 2021 2021
- CRA Outstanding Undergraduate Researcher Award - Honorable Mention 2020
- Recipient of travel grant from University of Michigan Mathematics Department for travel to ACL 2019 2019
- University of Michigan Dean’s List: Every semester of study

TALKS

- Google Data Ethics Team Feb. 2021

LANGUAGES SPOKEN English (native), Bengali (native), French, Hindi