

GAURI KAMBHATLA

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Research Interests

Natural Language Processing, NLP for social good, computational social science, social NLP

Both (1) using social science insights to help create more responsible, socially-aware NLP systems, and (2) using NLP models to create more inclusive social interactions and better understand social behaviors.

Education

Ph.D. Computer Science, *The University of Texas at Austin*, Austin TX 2021 - Present

GPA: 4.00/4.00

Advisor: Prof. Matt Lease

Key Coursework: NLP; Neural Nets and Linguistic Structure; Social Applications and Impact of NLP

M.S. Computer Science Engineering, *The University of Michigan*, Ann Arbor MI 2020 - 2021

GPA: 3.98/4.00

B.S. Computer Science, *University of Michigan*, Ann Arbor MI 2016 - 2020

B.S. Cognitive Science, *University of Michigan*, Ann Arbor MI

GPA: 3.88/4.00

Preprints

May 2025 **Gauri Kambhatla**, Sanjana Gautam, Angela Zhang, Alex Liu, Ravi Srinivasan, Junyi Jessy Li, and Matthew Lease. *Beyond Sociodemographic Prompting: Using Supervision to Align LLMs with Human Response Distributions*. Arxiv 2025. [PDF](#)

May 2025 **Gauri Kambhatla**, Chantal Shaib, and Venkata Govindarajan. *Measuring diversity of synthetic prompts and data generated with fine-grained persona prompting*. Arxiv 2025. [PDF](#)

Conference & Journal Publications

EMNLP 2024 **Gauri Kambhatla**, Matthew Lease, and Ashwin Rajadesingan. *Promoting Constructive Deliberation: Reframing for Receptiveness*. EMNLP Findings 2024. [PDF](#)

ACL 2023 **Gauri Kambhatla**, Thuy Nguyen, and Eunsol Choi. *Quantifying Train-Evaluation Overlap with Nearest Neighbors*. ACL Findings 2023. [PDF](#)

FACt 2022 **Gauri Kambhatla**, Ian Stewart, and Rada Mihalcea. *Surfacing Racial Stereotypes Through Identity Portrayal*. In 2022 ACM Conference on Fairness, Accountability, and Transparency (FACt '22). [PDF](#)

EvoMUS 2021 Allison Lahnala, **Gauri Kambhatla**, Jiajun Peng, Matthew Whitehead, Gillian

Minnehan, Eric Guldán, Jonathan K. Kummerfeld, Anıl Çamcı and Rada Mihalcea.
Chord Embeddings: Analyzing What They Capture and Their Role for Next Chord Prediction and Artist Attribute Prediction. In Proceedings of Computational Intelligence in Music, Sound, Art and Design – 10th International Conference, EvoMUSART, 2021. [PDF](#)

CHI 2021 Michael Coblenz, **Gauri Kambhatla**, Paulette Koronkevich, Jenna L. Wise, Celeste Barnaby, Joshua Sunshine, Jonathan Aldrich, Brad A. Myers. *PLIERS: A Process that Integrates User-Centered Methods into Programming Language Design*. ACM Transactions on Computer-Human Interaction, 2021. [PDF](#)

Workshop Publications

PLAT 2019 **Gauri Kambhatla**, Michael Coblenz, Reed Oei, Joshua Sunshine, Brad Myers, Jonathan Aldrich. *A Pilot Study of the Safety and Usability of the Obsidian Blockchain Programming Language*. 10th Workshop on Evaluation and Usability of Programming Languages and Tools (PLATEAU, 2019), Oct 24, 2019. [PDF](#)

Experience

UT Austin AI & HCC Lab, *Graduate Research Assistant* Sept 2022 – Present
 Advisor: Matt Lease

Amazon AWS Responsible AI Team, *Research Intern* June – Sept 2024
 Manager: Vanessa Murdock

UT Austin Eunsol Lab, *Graduate Research Assistant* Sept 2021 – June 2022
 Advisor: Eunsol Choi

U. Michigan LIT Lab, *Undergraduate, Graduate Research Assistant* Sept 2018 – Aug 2021
 Advisor: Rada Mihalcea

Carnegie Mellon U. Software & Societal Systems, *NSF REU* May – Aug 2019
 Advisors: Jonathan Aldrich, Brad A. Myers, Joshua Sunshine

Teaching

Graduate Student Instructor, Information Retrieval (EECS 486) Jan – May 2021
 The University of Michigan
 · Taught a discussion section, held office hours, created assignments, created and graded exams, and created discussion materials

Instructor Assistant, Computer Organization (EECS 370) Jan – May 2019
 The University of Michigan Ann Arbor, MI
 · Taught a discussion section, held office hours, created and graded exams, and created discussion materials for all IAs

Community & Leadership Service

Graduate Representative Association of Computer Sciences (GRACS) Board Oct 2022 – June 2024
The University of Texas at Austin Austin, TX

- Held events to help CS graduate students navigate the department and grad school
- Organized and planned social events for CS graduate students

Graduate Women & Gender Minorities in Computing (GWGMC) Board May 2022 – June 2024
The University of Texas at Austin Austin, TX

- Helped restart the GWGMC organization at UT after it disbanded over the pandemic
- Organized & planned community-building events for graduate women and gender minorities, including a yearly research symposium

MIDAS Student Leadership Board June 2020 – June 2021
The University of Michigan Ann Arbor, MI

- Advised MIDAS (Michigan Institute for Data Science) leaders on data science education and research programming on Michigan's campus
- Lead a Women + Data Science community conversations event, which brought together women in various stages of their careers in academia/industry to share their experiences
- Helped develop a mentorship program for students (and faculty) in Data Science

STEM Society Sept 2018 – May 2020
The University of Michigan Ann Arbor, MI

- Interactively taught underprivileged middle and high school students Cognitive Science and other science-related concepts to promote interest in STEM subjects

Society of Women Engineers Nov 2018 – May 2020
The University of Michigan Ann Arbor, MI

- Volunteered at a public high school in Chicago – taught an artificial intelligence lesson plan to historically underrepresented students

Service to Research Community

- Student Volunteer (The Web Conference '23)
- Session Chair (FAccT '22)

Awards & Honors

- Chair's Strategic Excellence Fellowship, *The University of Texas at Austin* 2021
- University Honors: all semesters, *The University of Michigan* 2016 – 2020
- Clara Carter Higgins Summer Environmental Studies Scholarship, *The Garden Club of America* 2018
- William J. Branstrom Freshman Prize (within top 5% of class), *University of Michigan* 2017

Skills & Experience

- **Languages/Frameworks:** Python, Pytorch, C/C++, Java, MATLAB, Git

- **OS:** Linux, Windows, MacOS
- **Experience:** natural language processing, Jira & project management, deep learning, user studies