GAURI KAMBHATLA

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Research Interests

Natural language processing, NLP for social good, computational social science, social NLP
I'm interested in using social science insights to help create more responsible, socially-aware NLP systems, and using NLP models to help create more inclusive social interactions and better understand social human behaviors.

Education

Ph.D. Computer Science, Austin TX, *The University of Texas at Austin*   2021 - Present
GPA: 4.00/4.00
Advisor: Prof. Matt Lease
Coursework: Natural Language Processing, Neural Nets and Linguistic Structure, Social Applications and Impact of NLP

M.S. Computer Science Engineering, Ann Arbor MI, *University of Michigan*   2020 - 2021
GPA: 3.98/4.00

B.S. Computer Science, Ann Arbor MI, *University of Michigan*   2016 - 2020
B.S. Cognitive Science, Ann Arbor MI, *University of Michigan*
GPA: 3.88/4.00

Conference & Journal Publications

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

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

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

Allison Lahnala, **Gauri Kambhatla**, Jiajun Peng, Matthew Whitehead, Gillian Minnehan, Eric Guldan, Jonathan K. Kummerfeld, Anıl Çamcı and Rada Mihalcea. C*hord 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

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

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

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

Carnegie Mellon 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
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
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

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
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
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*
- ·   Clara Carter Higgins Summer Environmental Studies Scholarship, *The Garden Club of America*
- ·   William J. Branstrom Freshman Prize (within top 5% of class), *University of Michigan*
- ·   University Honors: all semesters, *University of Michigan*

Skills & Abilities

- ·   Languages/Frameworks: Python, Pytorch, C/C++, Java, MATLAB, Git
- ·   Experience: natural language processing, Jira & project management, deep learning, user studies
- ·   OS: Linux, Windows, MacOS