SASHA BOGURAEV

Email: sasha.boguraev@utexas.edu   **Website:** https://sashaboguraev.github.io/
Last Updated: September 18, 2025

Education

University of Texas at Austin, Austin, USA
Ph.D. in Computational Linguistics, 2024 – Now
Focus: Language Model Interpretability, Cognitive Science & Language.
Advisor: Dr. Kyle Mahowald

Cornell University, Ithaca, NY, USA
B.A. *Summa Cum Laude*. Computer Science, Mathematics, College Scholar.
Thesis: "What do you mean by that?" Idiolects, Casual Miscommunication, and the Evolutionary Fitness of Languages
Advisor: Dr. Morten Christiansen
Comittee: Dr. Eugene Vinitsky, Dr. Veit Elser

Industry Experience

Summer 2023	**NASA Jet Propulsion Laboratories** - *Summer Undergraduate Research Fellow* **Project:** Prototyping Information Retrieval and Retrieval-Augmented Generation (RAG) Systems for Space Flight Project Management. **Host(s):** Lydia Dubon.

Peer-reviewed Publications

2025   **Sasha Boguraev**, Christopher Potts, Kyle Mahowald. Causal Interventions Reveal Shared Structure Across English Filler–Gap Constructions. *EMNLP 2025* (to appear). **Oral Spotlight; Outstanding Paper Nominee**

2025   **Sasha Boguraev**, Katrin E. Erk, Kyle Mahowald, James Shearer, Steve M. Wechsler. Reinforcement Learning Produces Efficient Case-Marking Systems. *In Proceedings of the Annual Meeting of the Cognitive Science Society, 47,* (COGSCI) *2025.*

2024   **Sasha Boguraev**, Ben Lipkin, Leonie Weissweiler, Kyle Mahowald. Models Can and Should Embrace the Communicative Nature of Human-Generated Math. *4th MATH-AI Workshop at NeurIPS, 2024.*

Honors and Awards

2025   **Outstanding Paper Nominee**. *EMNLP 2025*.

2024   **Cornell Arts & Sciences Extraordinary Senior**.

2023   **Cornell Computer Science Course Staff Exceptional Service Award**.

2023	**California Institute of Technology, Summer Undergraduate Research Fellowship**. Amount: $10000.
2021	**Cornell Robert S. Harrison College Scholar**

Teaching

Teaching Assistant - *Natural Language Processing* (CS 4740)
Timeline: Fall 2023
Course Professor: Dr. Lillian Lee
Developed two (of four) course assignments along with a team of four other TAs. Held two hours of office hours per week, assisted in grading of all homeworks and exams. (≈ 400 students enrolled).

Reviewing

Workshop	INTERPLAY – First Workshop on the Interplay of Model Behavior and Model Internals (COLM 2025)

Service

- **Graduate Student Representative:** 2025 Search Committee for Assistant Professor in Computational Linguistics. Department of Linguistics, UT Austin.

Professional Affiliations

- Mathematical Association of America (MAA)