

Sasha Boguraev

Ph.D. Student at UT Austin

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Education

- 2024 – Now **Ph.D in Computational Linguistics, Minor in Computer Science**,
The University of Texas at Austin, Austin, TX
Advisor: Prof. [Kyle Mahowald](#)
- 2020 – 2024 **B.A in Computer Science, Mathematics, Computational Cognitive Science**,
Cornell University College of Arts and Sciences, Ithaca, NY
Summa Cum Laude Honors

Publications

- Preprint **Sasha Boguraev**, Ben Lipkin, Leonie Weissweiler, Kyle Mahowald. [Models Can and Should Embrace the Communicative Nature of Human-Generated Math](#). In Review *4th MATH-AI Workshop at NeurIPS'24*.
- For full list of publications (including those unrelated to Comp. Ling.) see [Google Scholar](#)

Undergraduate Honors Thesis

"What Do You Mean By That?" – Idiolects, Casual Miscommunication, and the Evolutionary Fitness of Languages

- Supervisors Prof. [Morten Christiansen](#) (Chair), Prof. [Veit Elser](#), and Prof. [Eugene Vinitisky](#) (NYU)
- Description Simulated idiolect development in populations of agents using Multi-Agent Reinforcement Learning. Found idiolects shape languages to be robust to external communication failures.

Industry Experience

- Summer 2023 **Summer Undergraduate Research Fellow, NASA**,
Jet Propulsion Laboratory (JPL), La Cañada Flintridge, California
- Prototyping Information Retrieval and Retrieval-Augmented Generation (RAG) systems
 - Received return offer for Spring 2024

Teaching Experience

[Cornell University](#)

- CS 4740 **Natural Language Processing**, *Undergraduate Teaching Assistant*, Fall 2023
Instructor: Prof. [Lillian Lee](#)

Awards and Fellowships

- Spring 2024 Cornell Arts and Sciences Extraordinary Senior
- Fall 2023 Cornell Computer Science Course Staff Exceptional Service Award
- Summer 2023 California Institute of Technology Summer Undergraduate Research Fellowship
- Fall 2021 Robert S. Harrison College Scholar