Sasha Boguraev

Ph.D. Student at UT Austin

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Education

2024 – **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

Title *"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 Vinitsky (NYU)

Description Studying the effects of idiolects and casual miscommunication on human language evolution through the use of Multi-Agent Reinforcement Learning

Industry Experience

Summer 2023 **Summer Undergraduate Research Fellow**, *NASA*,
Jet Propulsion Laboratory (JPL), La Cañada Flintridge, California
○ Worked on 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