







Julie Kallini

Ph.D. Student | NLP | Computational Linguistics

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About Me

I am a first-year Computer Science Ph.D. student at Stanford University, where I am a member of the Natural Language Processing Group. Previously, I worked for nearly two years as a software engineer at Meta, where I used machine learning for privacy problems in advertisements. Before joining Meta, I graduated from Princeton University, where I was fortunate to conduct computational linguistics research. I am originally from Los Angeles, California.

Research Interests

My work lies at the intersection of NLP, machine learning (ML) interpretability, and linguistics, with the goal of understanding what deep learning and large language models reveal about linguistics and language acquisition. I am particularly interested in linguistic variation and diversity, and how models learn patterns across various languages differently.

Education

2023—Pres	Ph.D. in Computer Science • Advisor: Christopher Potts • Funding: NSF Graduate Research Fellowship, Stanford School of Engineering Graduate Fellowship, Stanford EDGE Fellowship	Stanford University
2017—2021	B.S.E. in Computer Science, Minor in Linguistics • Graduated with highest honors (<i>summa cum laude</i>) • Advisor: Christiane Fellbaum	Princeton University

Papers

- [1] **Julie Kallini**, Isabel Papadimitriou, Richard Futrell, Kyle Mahowald, and Christopher Potts. [Mission: Impossible Language Models](#), 2024.
- [2] **Julie Kallini** and Christiane Fellbaum. [What to Make of make? Sense Distinctions for Light Verbs](#). In *Global WordNet Conference 2023*, Donostia-San Sebastian, Spain, January 2023. Global WordNet Association.
- [3] **Julie Kallini** and Christiane Fellbaum. [Computational Approaches for Understanding Semantic Constraints on Two-termed Coordination Structures](#). In *Text, Speech, and Dialogue*, pages 64–76, Cham, 2022. Springer International Publishing.
- [4] **Julie Kallini** and Christiane Fellbaum. [A Corpus-based Syntactic Analysis of Two-termed Unlike Coordination](#). In *Findings of the Association for Computational Linguistics: EMNLP 2021*, pages 3998–4008, Punta Cana, Dominican Republic, November 2021. Association for Computational Linguistics.

Teaching Experience

2022—Pres	Instructor, Applied Machine Learning Created projects; taught ML concepts at lectures and office hours.	Uplimit (formerly CoRise)
2021	Head TA, Machine Translation Designed coding exercises and lead weekly classes on NLP topics.	Princeton University
2020	TA, Computer Networks Taught course material and facilitated discussions in weekly classes.	Princeton University
2018–2019	Lead Grader/CA, Algorithms and Data Structures Compiled assignment rubrics; trained and supervised other graders.	Princeton University

Industry Experience

2021–2023	Software Engineer , Machine Learning for Ads Privacy Built classifiers to detect sensitive topics in media on the Meta family of apps.	Meta
2020	Software Engineer Intern , Community Integrity Designed data analysis tools for content in the human review system.	Meta
2019	Software Engineer Intern , Android Development Created an Android app that organizes and streamlines office hours queues.	Meta

Volunteering and Outreach

2022—Pres	AI Mentor Mentored students from underrepresented backgrounds to pursue careers in data science, ML, and AI, including job application and interview prep.	Break Through Tech AI
2021—Pres	Alumni Interview Volunteer Conducted interviews with high school students applying to Princeton.	Princeton University Admissions

Awards and Honors

2021	Phi Beta Kappa	Princeton University
2021	Phillip Goldman '86 Senior Prize (Top CS Academic Prize)	Princeton University
2021	Outstanding CS Senior Thesis Prize	Princeton University
2021	Outstanding Student Teaching Award	Princeton University
2019	Tau Beta Pi (Engineering Honor Society)	Princeton University