

Gaurav Kamath

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Education

McGill University / Mila – Quebec AI Institute

2022 - Present

PhD. in Linguistics

Advisor: Siva Reddy

Courses: Applied Machine Learning, Seminar in Semantics, Experimental Linguistics: Methods.
CGPA: 4.0/4.0

McGill University

2021 – 2022*

M.A. in Linguistics

Courses: NLU with Deep Learning, Computational Linguistics, Natural Language to Data Science, Syntax 3, Phonology 3, Semantics 3, Semantics 4.
CGPA: 4.0/4.0

**(Unfinished; fast-tracked to PhD program)*

Ashoka University

2019 - 2020

Postgraduate Diploma in Advanced Research Studies,
with a Second Major Equivalent in Philosophy

CGPA: 3.91/4.0

2016 - 2019

Bachelor of Arts in Politics, Philosophy and Economics

CGPA: 3.59/4.0

Fellowships and Awards

2023 – 2027

Fonds de Recherche du Québec (FRQ)

CA\$25k/year. Doctoral Training Award.

Experience

Oct 2025 – Dec 2025

Visiting Researcher, UCLouvain

Advisor: Marie-Catherine de Marneffe
Louvain-la-Neuve, Belgium

May 2024 – Dec 2024

Research Intern, National Research Council Canada

Advisor: Sowmya Vajjala
Montreal, Canada

Publications

(* denotes joint first-author contribution; \diamond denotes core, but not first-author contribution)

- [Humans and LLMs Diverge on Probabilistic Inferences](#) [2026]
Gaurav Kamath, Sreenath Madathil, Sebastian Schuster, Marie-Catherine de Marneffe and Siva Reddy.
To appear in *Transactions of the Association for Computational Linguistics*.
- [Would you still call this Dax? Novel Visual References in VLMs and Humans](#) [2026]
Ada Tur, Gaurav Kamath, Joyce Chai, Siva Reddy and Benno Krojer.
Submitted to EMNLP 2026.
- [Semantic Change is Not Primarily a Generational Process](#) [2025]
Gaurav Kamath, Michelle Yang, Siva Reddy, Morgan Sonderegger, Dallas Card
In *Proceedings of the National Academy of Sciences of the United States of America*, 122(31).
- [Language Models Largely Exhibit Human-like Constituent Ordering Preferences](#) [2025]
Ada Tur*, Gaurav Kamath*, Siva Reddy
In *Proceedings of the 2025 Annual Conference of the North American Chapter of the Association for Computational Linguistics, (Volume 1: Long Papers)*, 2498–2521. 🏆 SAC Award for Linguistic Theories, Cognitive Modeling and Psycholinguistics.
- [DeepSeek R-1 Thoughtology: Let's think about LLM Reasoning](#) [2025]
Sara Vera Marjanović*, Arkil Patel*, ..., Amirhossein Kazemnejad \diamond , Gaurav Kamath \diamond , Marius Mosbach \diamond , Karolina Stańczak \diamond , Siva Reddy.
In *Transactions on Machine Learning Research*.
- [Build the Web for Agents, not Agents for the Web](#) [2025]
Xing Han Lù, Gaurav Kamath, Marius Mosbach, Siva Reddy.
Submitted to NeurIPS 2026 (Position Paper Track).
- [Does Synthetic Data Help Named Entity Recognition for Low-Resource Languages?](#) [2025]
Gaurav Kamath, Sowmya Vajjala.
In *Proceedings of the 14th International Joint Conference on Natural Language Processing and the 4th Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics*.
- [Value Drifts: Tracing Value Alignment During LLM Post-Training](#) [2025]

Mehar Bhatia, Shravan Nayak, **Gaurav Kamath**, Marius Mosbach, Vered Shwartz, Siva Reddy.

Under Review at *Transactions of the Association for Computational Linguistics*.

- [Scope Ambiguities in Large Language Models](#) [2024]
Gaurav Kamath, Sebastian Schuster, Sowmya Vajjala, Siva Reddy
In *Transactions of the Association for Computational Linguistics*, 12, 738-754.
- [Does a Neural Language Model Understand the De Re / De Dicto Distinction?](#) [2023]
Gaurav Kamath*, Laurestine Bradford*
In *Proceedings of the Society for Computation in Linguistics*, 6(1), 69-84.

Invited Talks

Humans and LLMs Diverge on Probabilistic Inferences

Jun 2026 CHI-FRO

Measuring Word Meaning Change Across Time and Speaker Age

Dec 2025 P1 Guest Talks, Pioneer Center for Artificial Intelligence

Nov 2025 LangSci Colloquium Series, University of Saarland

Oct 2025 Computational Linguistics Seminar, Institute for Logic, Language and Computation, University of Amsterdam

Meaning in Large Language Models

May 2025 Integrate and Fire Seminar Series, McGill University

Teaching

Winter 2026 Course Instructor

McGill University

From Natural Language to Data Science.

Introductory course on data science and natural language processing with ~180 undergraduates; re-designed the course structure, made and delivered all course materials from scratch (except guest lectures).

Winter 2025 Teaching Assistant

McGill University

From Natural Language to Data Science, with Prof. Siva Reddy & Prof. Morgan Sonderegger

Winter 2024 Teaching Assistant

McGill University

From Natural Language to Data Science, with Prof. Siva Reddy & Prof. Morgan Sonderegger

Fall 2023 Teaching Assistant

McGill University

Introduction to Semantics, with Prof. Brendan Gillon

Fall 2023 McGill University	Teaching Assistant <i>Introduction to Semantics</i> , with Prof. Brendan Gillon
Fall 2022 McGill University	Teaching Assistant <i>Introduction to Linguistics</i> , with Prof. Morgan Sonderegger
Monsoon 2021 Ashoka University	Teaching Fellow <i>Symbolic Logic</i> , with Prof. Raja Rosenhagen
Spring 2020 Ashoka University	Teaching Assistant <i>Existentialism and Ethics</i> , with Prof. Clancy Martin

Service

Reviewing: TACL (2026, 2024), Journal of Language Modelling (2026), CoNLL 2026, Lingua (2025), Acta Psychologica (2025).

Mentoring:

- Ada Tur (McGill University, Undergraduate, 2024-)
- Jerry Chen (McGill University, Undergraduate, 2026-)
- Alex Groiser (McGill University, Undergraduate, 2026-)

Outreach:

- Instructor, Indigenous Pathfinders in AI Program at Mila - Quebec AI Institute [2026]
- Panelist, McGill Linguistics Undergraduate Association FUTURE Week [2023, 2024, 2025, 2026]
- Presenter, Panorama of Science Summer Camp [2022]

Media:

- The New World, "Why we need to be more chill about language change" [2025]
- Österreichischer Rundfunk, "Wie sich Bedeutung mit Zeitgeist ändert" [2025]

Languages

English (Native), French (Conversational Fluency), Hindi (Conversational Fluency), Kannada (Functional), Dutch (Basic)