

Jacob Louis Hoover

updated: October 22, 2022

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Education

2018–(2024) | PhD student in Linguistics, [McGill University](#), and [Mila](#) – Quebec Artificial Intelligence Institute
advisor: Timothy J. O’Donnell. [Fast-tracked from MA program in 2019]

2006–2012 | BACHELOR OF LIBERAL ARTS (ALB), *cum laude*, [Harvard University Extension School](#)
Field of Study: Mathematics | Minor: Linguistics

Teaching

WINTER 2022 | TA for McGill COMP 596 *Probabilistic Programming* (Prof. Timothy O’Donnell)
FALL 2021 | Guest lecture for McGill COMP 445 *Computational Linguistics*
TA for McGill COMP 445 *Computational Linguistics* (Prof. Timothy O’Donnell)
WINTER 2021 | TA for McGill COMP 596 *Probabilistic Programming* (Prof. Timothy O’Donnell)
FALL 2020 | TA for McGill COMP 445 *Computational Linguistics* (Prof. Timothy O’Donnell)
WINTER 2020 | TA for McGill LING 201 *Introduction to Linguistics* (Prof. Francisco Torreira, Mathieu Paillé)
FALL 2019 | TA for McGill LING 201 *Introduction to Linguistics* (Prof. Francisco Torreira, Prof. Junko Shimoyama)

Community

2020 | Graduate Program changes Committee, student member
2020–2022 | Graduate student representative, McGill Linguistics Department
2019–2022 | Vice President, Academic, [GLAM](#), Graduate Linguistics Association of McGill
2019–2020 | Founding member, [EARTH-LING](#), McGill Linguistics department environmental working group
2018–pres. | Graduate student member, webmaster, Montreal Computational and Quantitative Linguistics Lab ([MCQLL](#))

Reviewing: TACL 2022, CogSci 2021, CoNLL 2020

Awards

2020 | [Microsoft Research-Mila Collaboration Grant](#), for project supervised by Alessandro Sordani (MSR Montreal) and Prof. Timothy O’Donnell (Mila)
2019 | [Graduate Scholar Stipend](#), Centre for Research on Brain, Language and Music ([CRBLM](#))

Research

2022 [Hoover, Jacob Louis](#), Sonderegger, Morgan, Piantadosi, Steven T., and O’Donnell, Timothy J. [The Plausibility of Sampling as an Algorithmic Theory of Sentence Processing](#). Preprint.

[Hoover, Jacob Louis](#). “[With Better Language Models, Processing Time Is Superlinear in Surprisal](#)”. Poster. Architectures and Mechanisms for Language Processing (AMLaP) 28 (York, England).

2021 [Hoover, Jacob Louis](#), Du, Wenyu, Sordani, Alessandro, and O’Donnell, Timothy J. “[Linguistic Dependencies and Statistical Dependence](#)”. In: *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing*. EMNLP 2021. Online and Punta Cana, Dominican Republic: Association for Computational Linguistics, pp. 2941–2963.

[Hoover, Jacob Louis](#). “[Accounting for Variation in Number Agreement in Icelandic Dative-Nominative Constructions](#)”. In: *Proceedings of the 38th West Coast Conference on Formal Linguistics*. WCCFL38. Ed. by Rachel Soo, Una Y. Chow, and Sander Nederveen. Somerville, Mass., USA: Cascadia Proceedings Project, pp. 231–241.

Languages

English	Native
Estonian	Intermediate (2½ years living and working in Estonia: ~ CEF level B2)
French	Intermediate (~ B1)
Japanese	Novice (two years' university study, at this point rather atrophied)
Russian, Spanish	Basic knowledge

Programming languages: Clojure, Java, Julia, Python, R

Ballet career

2018–pres.	I retired from full-time dancing in 2018, when I began my graduate study at McGill, but I have continued with occasional appearances as a freelancer and as a guest artist including with Festival Ballet Providence, RI, and Robinson Ballet in Bangor, ME.
2008–2018	Trained as a ballet dancer at Walnut Hill School and Miami City Ballet School. I worked full-time as professional dancer from 2008 until 2018. I danced soloist roles when at José Mateo Ballet Theatre in Cambridge, MA, (2008–2012) and principal roles when at the Vanemuine Theatre in Tartu, Estonia (2013–2015), and was a company dancer for Festival Ballet in Providence, RI (2015–2018).