

# Jacob Louis Hoover

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[jahoo.github.io](https://jahoo.github.io)

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## Education

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2018–(2024)	PhD, <b>McGill University</b> Department of Linguistics, <b>Mila</b> – Quebec Artificial Intelligence Institute, advisor: Timothy J. O'Donnell. [Fast-tracked from MA program in 2019]
2006–2012	BACHELOR OF LIBERAL ARTS (ALB), <i>cum laude</i> , <b>Harvard University Extension School</b> Field of Study: Mathematics   Minor: Linguistics

## Teaching

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WINTER 2023	Instructor, McGill COMP/LING 445 <i>Computational Linguistics</i>
FALL 2021	Guest lecture for McGill COMP/LING 445 <i>Computational Linguistics</i>
2019–2022	Teaching Assistant, 6 McGill courses in linguistics/computer science COMP/LING 596 <i>Probabilistic Programming</i> (WINTER 2021, 2022) COMP/LING 445 <i>Computational Linguistics</i> (FALL 2020, 2021) LING 201 <i>Introduction to Linguistics</i> (FALL 2019, WINTER 2020)

## Community

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

Reviewing: TACL 2022, CogSci 2021, CoNLL 2020

## Awards

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2020	<b>Microsoft Research-Mila Collaboration Grant</b> , for project supervised by Alessandro Sordani (MSR Montreal) and Prof. Timothy O'Donnell (Mila)
2019	<b>Graduate Scholar Stipend</b> , Centre for Research on Brain, Language and Music ( <b>CRBLM</b> )

## Research

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- 2022 **J. L. Hoover**, M. Sonderegger, S. T. Piantadosi, and T. J. O'Donnell. *The Plausibility of Sampling as an Algorithmic Theory of Sentence Processing*. doi: [10.31234/osf.io/qjnpv](https://doi.org/10.31234/osf.io/qjnpv). preprint.
- J. L. Hoover**. “[With Better Language Models, Processing Time Is Superlinear in Surprisal](#)”. Poster. Architectures and Mechanisms for Language Processing (AMLaP) 28 (York, England).
- 2021 **J. L. Hoover**, W. Du, A. Sordani, and T. J. O'Donnell. “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. doi: [10.18653/v1/2021.emnlp-main.234](https://doi.org/10.18653/v1/2021.emnlp-main.234). [OpenAccess].
- J. L. Hoover**. “[Accounting for Variation in Number Agreement in Icelandic Dative-Nominative Constructions](#)”. In: *Proceedings of the 38th West Coast Conference on Formal Linguistics*. WCCFL38, March 6–8, 2020, University of British Columbia, Vancouver. Ed. by R. Soo, U. Y. Chow, and S. Nederveen. Somerville, Mass., USA: Cascadia Proceedings Project, pp. 231–241. [OpenAccess].

## Languages

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

## Ballet career

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2018–pres.	I retired from full-time dancing in 2018, when I began my graduate study at McGill. I have continued with occasional appearances as an independent artist including with Festival Ballet Providence, Rhode Island Women's Choreography Project, Revolve Dance Project, and Robinson Ballet in Bangor, ME.
2008–2018	I worked full-time as professional dancer from 2008 until 2018. Trained as a ballet dancer at Walnut Hill School and Miami City Ballet School, I danced soloist roles when at <b>José Mateo Ballet Theatre</b> in Cambridge, MA, (2008–2012) and principal roles when at the <b>Vanemuine Theatre</b> in Tartu, Estonia (2013–2015), and was a company dancer for <b>Festival Ballet Providence</b> , RI (2015–2018).