

Jacob Louis Hoover

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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), <i>cum laude</i> , Harvard University Extension School Field of Study: Mathematics Minor: Linguistics

Teaching

Winter 2023	Instructor for McGill COMP/LING 445 <i>Computational Linguistics</i>
WINTER 2022	TA for McGill COMP/LING 596 <i>Probabilistic Programming</i> (Prof. Timothy O'Donnell)
FALL 2021	Guest lecture for McGill COMP/LING 445 <i>Computational Linguistics</i> TA for McGill COMP/LING 445 <i>Computational Linguistics</i> (Prof. Timothy O'Donnell)
WINTER 2021	TA for McGill COMP/LING 596 <i>Probabilistic Programming</i> (Prof. Timothy O'Donnell)
FALL 2020	TA for McGill COMP/LING 445 <i>Computational Linguistics</i> (Prof. Timothy O'Donnell)
WINTER 2020	TA for McGill LING 201 <i>Introduction to Linguistics</i> (Prof. Francisco Torreira, Mathieu Paillé)
FALL 2019	TA for McGill LING 201 <i>Introduction to Linguistics</i> (Prof. Francisco Torreira, ProfJunko 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 Sordoni (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, Sordoni, 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: Cascadilla 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).