

## Eva Portelance

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Stanford University, Department of Linguistics  
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**pronouns:** she/they

**Research Interests** Language Learning Models; Computational Linguistics; Language Acquisition; Grammar Formalisms; Theoretical Syntax.

**Education** Ph.D., Linguistics, *Stanford University* 2017 - ...  
B.A. (Hons.), Linguistics, Computer Science (minor) *McGill University* 2014 - 2017  
College Diploma, Textile Design *Vieux Montreal College* 2010 - 2013

**Internships** Reinforcement learning, *Microsoft Research Montreal* 2020

**Institutes and Workshops** Workshop on Grammar Induction, *McGill University* 2019  
Diverse Intelligence Summer Institute, *St. Andrews University* 2018

**Honors and Awards** **Graduate**  
SSHRC Doctoral Fellowship 2018-2022  
Stanford Alumni Community Impact Award 2021  
Diverse Intelligences Summer Institute Fellowship 2018  
Joseph-Armand Bombardier Canada Graduate Scholarship (declined) 2017  
Rhodes Scholarship Finalist 2017

**Undergraduate**  
Dean's Honour List *McGill University* 2015, 2016, 2017  
U2 Academic Achievement Award *Linguistics Dept., McGill University* 2016  
Arts Research Internship Award *McGill University* 2016  
Internship Award *txtLab@McGill* 2015, 2016  
Regroupement des fondations collegiales de Montreal Scholarship 2013  
Highest Academic Achievement Award *Vieux Montreal College* 2012, 2013

**Publications** **Portelance, E.**, M. C. Frank, D. Jurafsky, A. Sordoni, R. Laroché. (2021). The Emergence of the Shape Bias Results from Communicative Efficiency. *Proceedings of the 25th Conference on Computational Natural Language Learning (CoNLL)*.  
**Portelance, E.**, J. Degen, M. C. Frank. (2020). Predicting Age of Acquisition in Early Word Learning Using Recurrent Neural Networks. *Proceedings of CogSci 2020*.  
**Portelance, E.** (2020). Genuine Verb stranding VP-ellipsis in Lithuanian. *Proceedings of the 50th Annual Meeting of the North East Linguistic Society (NELS 50)*.  
**Portelance, E.** and A. Piper. (2016). How Cultural Capital Works: Prizewinners, Bestsellers, and the Time of Reading. *Post-45*.

<b>Technical Reports</b>	<b>Portelance, E.</b> , A. Bruno, L. Bergen, T. J. O'Donnell. (2019). Grammar Induction for Minimalist Grammars using Variational Bayesian Inference. <i>arXiv:1710.11350</i>	
	Harasim, D., A. Bruno, <b>E. Portelance</b> , T. J. O'Donnell. (2018). A generalised parsing framework for Abstract Grammars. <i>arXiv:1710.11301</i>	
<b>Presentations and Posters</b>	<b>Portelance, E.</b> (2021). <i>Learning Strategies for the Emergence of Language in Iterated Learning</i> . Presentation at the Montreal Computational Quantitative Linguistics Lab (MCQLL), McGill University.	
	<b>Portelance, E.</b> , J. Degen, M. C. Frank. (2020). <i>Predicting Age of Acquisition in Early Word Learning Using Recurrent Neural Networks</i> . Presentation at CogSci 2020, Virtual.	
	<b>Portelance, E.</b> , J. Degen, M. C. Frank. (2020). <i>Using neural network language models to predict age of acquisition for early vocabulary</i> . Presentation at the International Conference for Infant Studies, Virtual.	
	<b>Portelance, E.</b> , G. Kachergis, M.C. Frank. (2019). <i>Comparing memory-based and neural network models of early syntactic development</i> . Poster presentation at the Boston University Conference on Language Development, Boston, MA.	
	<b>Portelance, E.</b> (2019). <i>Genuine Verb stranding VP-ellipsis in Lithuanian</i> . Presentation at the 50th Annual Meeting of the North East Linguistic Society, Cambridge, MA.	
	<b>Portelance, E.</b> (2019). <i>Verb stranding ellipsis in Lithuanian: verbal identity and head movement</i> . Presentation at the Syntax & Semantics circle, UC Berkeley.	
	<b>Portelance, E.</b> , A. Bruno, D. Harasim, L. Bergen, T. J. O'Donnell. (2018). <i>A Framework for Lexicalized Grammar Induction Using Variational Bayesian Inference</i> . Poster presentation at the Learning Language in Humans and Machines conference, Paris.	
	<b>Portelance, E.</b> (2018). <i>On the move: Free word order in Lithuanian</i> . Presentation at the Association for the Advancement of Baltic Studies Conference. Stanford.	
	<b>Portelance, E.</b> , A. Bruno, and T. J. O'Donnell. (2017). <i>Unsupervised induction of natural language dependency structures</i> . Poster presentation at the Montreal AI Symposium, Montreal.	
	<b>Portelance, E.</b> and A. Piper. (2017). Understanding Narrative: Computational approaches to detecting narrative frames [poster]. In proceedings of <i>Digital Humanities Conference 2017</i> . Montreal.	
<b>Teaching and Mentoring</b>	<b>Stanford University</b>	
	Consultant at the Social Science Data Software (SSDS) Resource Center	2019 - ...
	TA for <i>Introduction to Linguistics</i> with Katherine Hilton	Fall 2020
	TA for <i>Introduction to Psycholinguistics</i> with Judith Degen	Fall 2019
	Corpus TA	AY 2018 - 2019
	<b>McGill University</b>	
	Mentor <i>Syntax 1</i> with Junko Shimoyama	Winter 2016
<b>Academic Service</b>	Cognitive Science Seminar Administrator, <i>Stanford University</i>	2019 - ...
	Graduate Students' Representative, <i>Department of Linguistics</i>	AY 2019 - 2020
	Colloquium committee, <i>Department of Linguistics</i>	AY 2018 - 2019
	Editor on <i>Formal Approaches to Slavic Linguistics 27</i> proceedings	AY 2018 - 2019
	Graduate Studies Committee, <i>Department of Linguistics</i>	2018
	Friday Social Committee, <i>Department of Linguistics</i>	AY 2017 - 2018

<b>Programming Languages</b>	<i>Proficient:</i> Python, Julia, R. <i>Some experience:</i> Java, WebPPL, F#.
<b>Languages</b>	English (native), French (native), Lithuanian (intermediate), Spanish (intermediate), Russian (beginner/for research)
<b>Principal Collaborators</b>	Michael C. Frank, Dan Jurafsky, Judith Degen, Romain Laroche, Alessandro Sordoni, Vera Gribanova, Timothy J. O'Donnell, Leon Bergen, Mika Braginsky.