Eva Portelance

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. Laroche. (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.*

Technical Reports	**Portelance, E.**, A. Bruno, L. Bergen, T. J. O'Donnell. (2019). Grammar Induction for Minimalist Grammars using Variational Bayesian Inference. *arXiv*:1710.11350
	Harasim, D., A. Bruno, **E. Portelance**, T. J. O'Donnell. (2018). A generalised parsing framework for Abstract Grammars. *arXiv*:1710.11301

Presentations and Posters

Portelance, E. (2021). *Learning Strategies for the Emergence of Language in Iterated Learning.* Presentation at the Montreal Computational & Quantitative Linguistics Lab (MCQLL), McGill University.

Portelance, E., J. Degen, M. C. Frank. (2020). *Predicting Age of Acquisition in Early Word Learning Using Recurrent Neural Networks.* Presentation at CogSci 2020, Virtual.

Portelance, E., J. Degen, M. C. Frank. (2020). *Using neural network language models to predict age of acquisition for early vocabulary.* Presentation at the International Conference for Infant Studies, Virtual.

Portelance, E., G. Kachergis, M.C. Frank. (2019). *Comparing memory-based and neural network models of early syntactic development.* Poster presentation at the Boston University Conference on Language Development, Boston, MA.

Portelance, E. (2019). *Genuine Verb stranding VP-ellipsis in Lithuanian.* Presentation at the 50th Annual Meeting of the North East Linguistic Society, Cambridge, MA.

Portelance, E. (2019). *Verb stranding ellipsis in Lithuanian: verbal identity and head movement.* Presentation at the Syntax & Semantics circle, UC Berkeley.

Portelance, E., A. Bruno, D. Harasim, L. Bergen, T. J. O'Donnell. (2018). *A Framework for Lexicalized Grammar Induction Using Variational Bayesian Inference.* Poster presentation at the Learning Language in Humans and Machines conference, Paris.

Portelance, E. (2018). *On the move: Free word order in Lithuanian.* Presentation at the Association for the Advancement of Baltic Studies Conference. Stanford.

Portelance, E., A. Bruno, and T. J. O'Donnell. (2017). *Unsupervised induction of natural language dependency structures.* Poster presentation at the Montreal AI Symposium, Montreal.

Portelance, E. and A. Piper. (2017). Understanding Narrative: Computational approaches to detecting narrative frames [poster]. In proceedings of *Digital Humanities Conference 2017.* Montreal.

Teaching and Mentoring

Stanford University

Consultant at the Social Science Data Software (SSDS) Resource Center	2019 - ...
TA for *Introduction to Linguistics* with Katherine Hilton	Fall 2020
TA for *Introduction to Psycholinguistics* with Judith Degen	Fall 2019
Corpus TA	AY 2018 - 2019

McGill University

Mentor *Syntax 1* with Junko Shimoyama	Winter 2016

Academic Service

Cognitive Science Seminar Administrator, *Stanford University*	2019 - ...
Graduate Students' Representative, *Department of Linguistics*	AY 2019 - 2020
Colloquium committee, *Department of Linguistics*	AY 2018 - 2019
Editor on *Formal Approaches to Slavic Linguistics 27* proceedings	AY 2018 - 2019
Graduate Studies Committee, *Department of Linguistics*	2018
Friday Social Committee, *Department of Linguistics*	AY 2017 - 2018

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