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Education

2017-   PhD Candidate in Linguistics, Harvard University, Cambridge MA
5/18-8/18   Visiting Student, Department of Cognitive Science, Ecole Normale Supérieure, Paris, France
2011-2015   B.A.S in Symbolic Systems and Slavic Languages and Literatures with Honors Stanford University, Stanford CA

Employment

10/16-8/17   Computational Linguist, Transcendent Endeavors, New York, NY
10/15-10/16   Translator, Gotlieb & Lion LLC; Carnegie Moscow Center, Moscow & Remote

Publications

2020   Tristan Thrush, **Ethan Wilcox**, and Roger P. Levy. 2020. Investigating Novel Verb Learning in BERT: Selectional Preference Classes and Alternation-Based Syntactic Generalization. In *Proceedings of the 2020 EMNLP Workshop BlackboxNLP: Analyzing and Interpreting Neural Networks for NLP*.

2020   **Ethan Wilcox**, Peng Qian, Richard Futrell, Ryosuke Kohita, Roger P. Levy, and Miguel Ballesteros. 2020. Structural Supervision Improves Few-Shot Learning and Syntactic Generalization in Neural Language Models. In *Proceedings of the 2020 Conference on Empirical Methods in Natural Language Processing*.

2020   **Ethan Wilcox**, Jon Gauthier, Jennifer Hu, Peng Qian and Roger Levy. 2020. On the Predictive Power of Neural Language Models for Human Real-Time Comprehension Behavior. CogSci 2020

2020   Jennifer Hu, Jon Gauthier, **Ethan Wilcox**, Peng Qian, and Roger Levy. 2020. A systematic assessment of syntactic generalization in neural language models. In *Proceedings of the Association of Computational Linguistics (ACL 2020)*

2020   Jon Gauthier, Jennifer Hu, **Ethan Wilcox**, Peng Qian, and Roger Levy. 2020. SyntaxGym: An online platform for targeted evaluation of language models. In *Proceedings of the Association of Computational Linguistics: System Demonstrations ACL 2020*

2019   Aixiu An, Peng Qian, **Ethan Wilcox**, and Roger Levy. *Representation of Constituents in Neural Language Models: Coordination Phrase as a Case Study*. EMNLP, Hong Kong, China

2019   **Ethan Wilcox,** Roger Levy and Richard Futrell. *Hierarchical Representation in Neural Language Models: Suppression and Recovery of Expectations*. BlackboxNLP 2019.

2019	**Ethan Wilcox**, Roger Levy and Richard Futrell. *What Syntactic Structures block Dependencies in RNN Language Models?* CogSci 2019.
2019	**Ethan Wilcox** and Benjamin Spector. *The Role of Prior Beliefs in The Rational Speech Act Model of Pragmatics: Exhaustivity as a Case Study*. CogSci 2019.
2019	**Ethan Wilcox,** Peng Qian, Richard Futrell, Miguel Ballesteros, Roger Levy. *Structural Supervision Improves Learning for Non-Local Dependencies*. NAACL-HLT 2019
2019	Richard Futrell, **Ethan Wilcox**, Takashi Morita, Miguel Ballesteros, Roger Levy. *Neural Language Models as Psycholinguistic Subjects: Representation of Syntactic State.* NAACL-HLT 2019
2018	**Ethan Wilcox**, Roger Levy, Takashi Morita and Richard Futrell. *What do RNN Language Models Learn Learn about the Filler-Gap Dependency,* Proceedings of Blackbox NLP, ACL.
2018	Richard Futrell, **Ethan Wilcox**, Takashi Morita, Roger Levy, *RNNs as Psycholinguistic Subjects: Syntactic State and Grammatical Dependency*
2015	**Ethan Wilcox**. *Revolutionary Linguistics: The Ideology of the Soviet Esperanto Movement 1917-1938*. BA Honors Thesis, Stanford University

Invited Presentations

6/20	*The Pragmatics of Presupposition Accommodation*. Meaning and Modality Lab. Harvard
5/20	*Presupposition Accommodation and Discourse Coherence.* Computational Psycholinguistics Lab, MIT
3/20	*Benchmarking Neural Networks as Models of Human Language Processing*. CogLunch, MIT, Cambridge MA
10/19	*Using Global Hotspots to Assess the Effects of Climate Change on Linguistic Diversity*. Computational Psycholinguistics Lab Meeting, Cambridge, MA
10/19	*Neural Network Language Models and the Argument from the Poverty of the Stimulus*. Ling Lunch, MIT, Cambridge MA
2-5/19	*Neural Network Language Models as Psycholinguistic Subjects: The case of Filler-Gap Dependencies*.
	• Group on Computation and Linguistics, MIT, Cambridge MA (5/19)
	• Mind Brain Behavior Lunch Series, Department of Psychology, Harvard University, Cambridge MA (3/19).
	• Language and Cognition, Department of Psychology, Harvard University, Cambridge MA (3/19)
	• Workshop on Developing and Evaluating Neural and Symbolic Architectures for Language Modeling, MIT, Cambridge MA. (2/19)
4/19	*Structural Supervision Improves Learning for Non-Local Dependencies.* LingedIn Workshop, Harvard University, Cambridge MA.
3/19	*The Role of Prior Beliefs in The Rational Speech Act Model of Pragmatics: Exhaustivity as a Case Study.* Meaning and Modality Lab Meeting, Harvard University, Cambridge MA.
2/19	*Using Structure to Predict the next Word: What RNN Language Models Learn about Syntax*

                       • Computation and Psycholinguistics Lab, Johns Hopkins, MD
                       • CogLunch, MIT, Cambridge MA

11/18	*When A means A & B: Exploring the Role of Priors in Recursive Pragmatic Models*. LingedIn, Harvard University
11/18	*What do RNN Language Models Learn about the Filler-Gap Dependency?* • Meaning and Modality Lab, Harvard University, Cambridge, MA • Computational Psycholinguistics Lab Meeting, MIT, Cambridge MA • Psycholinguistics and Cognitive Science Laboratory, Ecole Normale Superieure, Paris, France
3/18	*What do Neural Networks Learn about Wh-Movement?* LingedIn, Harvard University, Cambridge MA

Conference Presentations *(* indicates peer-reviewed)*

11/20	*Structural Supervision Improves Few-Shot Learning and Syntactic Generalization in Neural Language Models. *Empirical Methods in Natural Language Processing*
11/20	**Investigating Novel Verb Learning in BERT: Selectional Preference Classes and Alternation-Based Syntactic Generalization.* Blackbox NLP Workshop
9/20	**Benchmarking Neural Networks as Models of Language Processing.* Talk. AMLaP 2020
5/2020	*Evaluating the Effect of Model Inductive Bias and Training Data in Predicting Human Reading Times.* MIT-IBM Watson AI Lab Virtual Poster Session
3/2020	**Evaluating the Effect of Model Inductive Bias and Training Data in Predicting Human Reading Times.* CUNY Sentence Processing, Amherst MA (and virtual due to Covid)
9/2019	*Syntax Gym: A Unified Platform for Psycholinguistic Assessment of Neural Language Models.* IBM AI Week, Cambridge MA
9/2019	*Evaluating Syntactic Generalizations of Neural Language Models.* IBM AI Week, Cambridge MA
7/2019	**What Syntactic Structures block Dependencies in RNN Language Models?* CogSci 2019.
7/2019	**The Role of Prior Beliefs in The Rational Speech Act Model of Pragmatics: Exhaustivity as a Case Study.* CogSci 2019.
7/2019	**Testing Gender Markedness of Nouns with Self a Paced Reading Study.* CogSci, 2019.
7/2019	**Phonological Cues to Syntactic Structure in a Large-Scale Corpus.* CogSci 2019.
6/2019	**Syntactic Structure Aids Learning of Grammatical Dependencies in Neural Networks.* NAACL-HLT 2019.
5/2019	*Syntactic Structure Aids Learning of Grammatical Dependencies in Neural Networks.* IBM Watson AI Lab Poster Reception
3/2019	**Syntactic Structure aids Learning of Grammatical Dependencies in Neural Networks.* CUNY Sentence Processing Conference, Boulder CO
3/2019	**Large neural network language models learn representations of incremental parse states.* CUNY Sentence Processing Conference, Boulder CO
11/18	*Targeted Syntactic Analysis of RNNGs and LSTMs.* Symposium on Robust, Interpretable, Deep Learning Systems, MIT, Cambridge MA

| 10/18 | *Hierarchically Structured Symbolic Architectures with Neural Control for Robust and Human-like Natural Language Parsing,* IBM AI Research Horizons, MIT, Cambridge MA |
| 11/18 | **What do RNN Language Models Learn about the Filler-Gap Dependency?* Blackbox NLP Workshop, Empirical Methods in Natural Language Processing, Brussels, Belgium |

Grants & Awards

2021	Graduate Student Award, Mind Brain Behavior Initiative, Harvard, ($1,260)
2019	Graduate Student Award, Mind Brain Behavior Initiative, Harvard University ($978)
2018	Graduate Student Award, Mind Brain Behavior Initiative, Harvard University ($7,700)
2015	Best Honors Thesis Award, Division of Languages Cultures and Literatures, Stanford University
2013	Major Language Study Grant, Division of Languages, Cultures and Literatures, Stanford University ($10,000)
2012	Minor Language Study Grant, Department of Slavic Languages and Literatures, Stanford University ($3,000)

Internships & Fellowships:

2018	0213eight Data Science Fellow, Harvard University, Cambridge MA
2015	Front-end Web Engineer summer Internship, Omixy Inc., Paris, France
2014	Product Quality Engineer summer Internship, Palantir, Palo Alto, CA
2013	Summer Intensive, Russian Language, Presidential Academy of National Economy, Moscow, Russia

Selected Translations (all work co-translated with Mikhail Lion)

2018	"Sanctions and Retaliation: Where Russia-U.S. Relations are Headed" Andrey Movchan, Carnegie Center Moscow
2017	"Is Putin Losing Control of Russia's Conservative Nationalists?" Alexander Baunov, *Foreign Affairs* *Nominated: Open Russia, Journalism as a Profession best Opinion Article, 2017*
2017	"The Accidental Formation of Russia's War Coalition" Konstantin Gaaze, Carnegie Center Moscow. *Winner: Open Russia, Journalism as a Profession Award, Best Opinion Article, 2017*
2016	"The Snow Queen" by Evgeny Schwartz (stage play), produced by Dacha Theater / Lesser Known Players, Seattle WA
2016	"Going to the People -- and Back Again: The Changing Shape of the Russian Regime" (white paper) by Alexander Baunov, Carnegie Center Moscow

Academic Service

| 2020- | Linguistics Department Representative to HGSU-UAW Union and Graduate Student Council |
| 2018-2020 | Graduate Student Representative, Department of Linguistics, Harvard University
• Implemented first ever department climate survey (Spring 2019) |

	• Ran graduate student portion of new faculty search (Spring 2020)
	• Coordinated graduate Student Covid-19 Response (Spring 2020)
	• Shortened meetings by ~20% (most significant accomplishment 😊)
2018-2019	Chair, Admitted Students Recruitment Committee, Department of Linguistics, Harvard
2017-2018	Event Organizer, Harvard Graduate Students in Linguistics, Harvard University
2013-2015	Academic Theme Associate, Slavianskii Dom, Stanford University
2013-2015	Writing Tutor, Structured Liberal Education, Stanford University
2013-2014	Undergraduate Representative to the Breadth Governance Board, Stanford University

Teaching

2020	Assistant Head Tutor, Department of Linguistics, Harvard
2020	Undergraduate Thesis Writing Workshop (Ling 99a), Harvard, (TA)
2020	Computational Psycholinguistics (BCS 9.19), MIT (TA)
2020	Statistical Methods in Linguistics (Ling190), Harvard University (TA)
2019	Introductory Linguistics (Ling83), Harvard University (TA)
	• Certificate for Distinction in Teaching awardee
2015	"Adaptations of Slavic Folktales" Slavianskii Dom, Stanford University
2014	"Russian Architecture through the Ages" Slavianskii Dom, Stanford University
2013	"Russian Plays: Chekhov and Kharms" Slavianskii Dom, Stanford University

Reviewer

EMNLP	2020 (Outstanding Reviewer Recognition)
ACL	2021
CogSci	2021

Professional Memberships

2019-	Cognitive Science Society (student member)
2018-	Association for Computational Linguistics