Forrest Davis
Curriculum Vitae

309 McGregory
Colgate University
Hamilton, NY 13346
✆ *+1 (208) 720 6384*
✉ *fdavis@colgate.edu*
✆ *forrestdavis.github.io*
https://github.com/forrestdavis

Employment

2023-	**Assistant Professor**, *Department of Computer Science*, *Colgate University, Hamilton, NY*.
2022-2023	**Postdoctoral Associate**, *Department of Linguistics and Philosophy*, *Massachusetts Institute of Technology, Cambridge, MA*.

Education

2022 **PhD**, *Department of Linguistics*, *Cornell University, Ithaca, NY*.
Advisor: Marten van Schijndel
Committee Members: Dorit Abusch, Miloje Despić, John Whitman
Dissertation - *On the Limitations of Data: Mismatches between Neural Models of Language and Humans*

2020 **MA**, *Linguistics, Cornell University, Ithaca, NY*.

2017 **BA**, *Computer Science and Mathematics, Columbia University, New York, NY*.

Awards

2022	Sage Fellowship, Cornell University
2021	ACL 2021 Outstanding Reviewer
2020	President's Travel Fund for the Humanities, Cornell University
2019	Graduate School Conference Travel Grant, Cornell University
2019, 2018	Linguistics Department Conference Travel Grant, Cornell University
2018	Sage Fellowship, Cornell University
2017, 2016	Work Exemption Program Grant, Columbia University

Publications

Journal Articles

2021 Finding Event Structure in Time: What Recurrent Neural Networks can tell us about Event Structure in Mind

Forrest Davis and Gerry T.M. Altmann

In *Cognition*, 213. 2021.

Peer-Reviewed Proceedings

2022 Incremental Processing of Principle B: Mismatches Between Neural Models and Humans

Forrest Davis

Proceedings of the 2022 Conference on Computational Natural Language Learning (CoNLL 2022; 26%)

2021 Uncovering Constraint-Based Behavior in Neural Models via Targeted Fine-Tuning

Forrest Davis and Marten van Schijndel

Proceedings of the 59th Annual Meeting of the Association for Computational Linguistics (ACL 2021; 21.3%)

2020 Discourse structure interacts with reference but not syntax in neural language models

Forrest Davis and Marten van Schijndel

Proceedings of the 2020 Conference on Computational Natural Language Learning (CoNLL; 23.3%)

2020 Interaction with Context During Recurrent Neural Network Sentence Processing

Forrest Davis and Marten van Schijndel

Proceedings of the 42nd Annual Meeting of the Cognitive Science Society (CogSci 2020)

2020 Recurrent Neural Network Language Models Always Learn English-Like Relative Clause Attachment

Forrest Davis and Marten van Schijndel

Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020; 22.7%)

2017 Linguistically Rich Vector Representations of Supertags for TAG Parsing

Dan Friedman, Jungo Kasai, R Thomas McCoy, Robert Frank, **Forrest Davis**, Owen Rambow

Proceedings of the 13th International Workshop on Tree Adjoining Grammars and Related Formalisms

Presentations (reviewed by abstract)

2020 Recurrent neural networks use discourse context in human-like garden path alleviation

Forrest Davis and Marten van Schijndel

33rd Annual CUNY Conference on Human Sentence Processing (CUNY 2020), Amherst, Massachusetts

2020 Categorical and gradient dimensions of stress in English compounds

Forrest Davis and Abigail C. Cohn

2020 Workshop of the Berkeley Linguistics Society (BLSW 2020), Berkeley, California

2020 The relationship between lexical frequency, compositionality, and phonological reduction in English compounds

Forrest Davis and Abigail C. Cohn

94th Annual Meeting of the Linguistic Society of America (LSA 2020), New Orleans, Lousianna

2019 Effects of lexical frequency and compositionality on phonological reduction in English compounds

Forrest Davis and Abigail C. Cohn

The 25th Architectures and Mechanisms of Language Processing Conference (AMLaP 2019), Moscow, Russia

2019 The pragmatics of single wh-in situ questions in English

Forrest Davis

93rd Annual Meeting of the Linguistic Society of America (LSA 2019), New York, NY

Invited Talks

2023	Principle B, Processing, and Neural Models of Language
	UMass Amherst
2023	Principle B, Processing, and Neural Models of Language
	Language and Cognition Group, Harvard University
2022	What do Neural Models of Language Actually Model?
	University of Sheffield
2021	Investigating Competing Training Signals in Language
	Stanford University
2019	Recurrent Neural Network Syntactic Representations in Linguistic Contexts
	University of Connecticut
2019	Language as a science
	Peddie School

Teaching

Fall 2023	COSC 101 - Introduction to Computing I	Colgate
Fall 2023	COSC 480 - Topics in Computer Science: Natural Language Processing	Colgate
Spring 2023	Special Seminar: Topics in Computational Linguistics	MIT
Fall 2022	Special Seminar: Methods in Computational Linguistics	MIT
Spring 2022	Superlinguistics: Comics, Signs and Other Sequential Images	Cornell University
Spring 2021	Introduction to Cognitive Science	Cornell University
Spring 2021	Pragmatics	Cornell University
Fall 2020	Language and Law	Cornell University
Spring 2020	Computational Linguistics	Cornell University
Fall 2019	Guest Lecture, Phonology I: Prosodic representation of English compounds	Cornell University
Fall 2019	Introduction to Syntax and Semantics	Cornell University
Spring 2019	Pragmatics	Cornell University
Spring 2019	Computational Linguistics	Cornell University
Fall 2018	Introduction to Linguistics	Cornell University

Service

2019	Senior Editor of Semantics and Linguistic Theory (SALT 29)
2018–2019	Graduate Student Representative on New Faculty Hiring Committee
2018	Junior Editor of Semantics and Linguistic Theory (SALT 28)
2018	Annual Meeting for the North East Linguistics Society (NELS 49) Committee Member
2017–2019	Cornell Linguistics Circle web admin

Reviewing

Conferences	**ACL** 2019, 2020, 2021, 2022, 2023 **CoNLL** 2019, 2020, 2021, 2022, 2023 **EMNLP** 2021, 2022, 2023 **HSP** 2023 **Penn Linguistics Conference** 2023, **LSA** 2023
Journals	Cognition, Glossa Psycholinguistics

Technical Skills

Programming Languages	PYTHON, C, C++, MATLAB, R, JAVA, AWK, HTML
Human Languages	ENGLISH, FRENCH (INTERMEDIATE), HINDI/URDU (INTERMEDIATE)

Updated

Last Updated August 2, 2023