

Aaron Steven White

Department of Linguistics
University of Rochester
511A Lattimore Hall
500 Joseph C. Wilson Blvd.
Rochester, NY 14627

Email: aaron.white@rochester.edu
Website: <http://aaronstevenwhite.io>
Labsite: <http://factslab.io>
Github: [aaronstevenwhite](https://github.com/aaronstevenwhite)
Twitter: [aaronsteven](https://twitter.com/aaronsteven)

Positions

Full-time appointments

- 2023– Associate Professor. University of Rochester.
Primary Appointment: [Linguistics](#)
Secondary Appointment: [Computer Science](#)
Affiliations: [Goergen Institute for Data Science](#)
- 2017–2023 Assistant Professor. University of Rochester.
Primary Appointment: [Linguistics](#)
Secondary Appointment: [Computer Science](#)
Affiliations: [Goergen Institute for Data Science](#)
- 2015–2017 Postdoctoral Fellow. Johns Hopkins University.
Primary Appointment: Science of Learning Institute
Affiliations: [Cognitive Science](#), [Center for Language and Speech Processing](#)

Temporary appointments

- 2023 Instructor, [Linguistic Society of America Institute](#). University of Massachusetts, Amherst.
- 2017 Instructor, [European Summer School on Logic, Language, and Information](#). University of Toulouse.

Education

- 2015 Ph.D. Linguistics. University of Maryland, College Park.
Thesis: [Information and incrementality in syntactic bootstrapping](#)
Advisors: [Valentine Hacquard](#), [Jeffrey Lidz](#)
Committee members: [Philip Resnik](#), [Naomi Feldman](#), [Hal Daumé III](#)
- 2009 B.A. Linguistics. University of California, Santa Cruz.

Awards

Grants

- 2023–2028 Principal Investigator. NSF-BCS/IIS-2237175. \$497,928
[CAREER: Logical Form Induction](#).
- 2021–2024 Principal Investigator (Lead Organization). NSF-BCS-2040831. \$449,932
[Computational Modeling of the Internal Structure of Events](#).
- 2018–2022 Principal Investigator (Lead Organization). NSF-BCS-1748969. \$407,930
[The MegaAttitude Project: Investigating selection and polysemy at the scale of the lexicon](#).

2022–2025	Co-Principal Investigator. NSF-BCS-2214933. The typology of subordinate clauses: A study of Zulu.	\$439,222
2015–2016	Co-Principal Investigator. NSF-BCS-DDRIG-1456013. Learning attitude verb meanings.	\$18,112

Contracts

2019–2022	Co-Principal Investigator. IARPA BETTER. Multilingual Decompositional Analysis and Retrieval.	\$2,868,000
2018–2022	Co-Principal Investigator. DARPA AIDA. Multimodal Decompositional Semantics.	\$3,213,569
2019–2021	Co-Principal Investigator. DARPA KAIROS. Decompositional Schema Induction and Prediction.	\$4,045,546

Fellowships

2015–2017	Distinguished Postdoctoral Fellowship. Science of Learning Institute, Johns Hopkins University
2009–2010	Baggett Post-Baccalaureate Fellowship. Department of Linguistics , University of Maryland, College Park

Papers ***peer-reviewed {journal, handbook} article, **peer-reviewed conference paper, *peer-reviewed conference abstract

Published

- ** Vashishtha, S., A. Martin, W. Gantt, B. Van Durme, & **A.S. White**. 2024. [FAMuS: Frames Across Multiple Sources](#). *Proceedings of the 2024 Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies*. Mexico City. Association for Computational Linguistics.
- ** Gantt, W., S. Behzad, H.Y. An, Y. Chen, **A.S. White**, B. Van Durme, & M. Yarmohammadi. 2024. [MultiMUC: Multilingual Template Filling on MUC-4](#). *Proceedings of the 18th Conference of the European Chapter of the Association for Computational Linguistics*, pages 349–368, St. Julian’s, Malta. Association for Computational Linguistics.
- ** Chen, Y., W. Gantt, T. Chen, **A. White**, and B. Van Durme. 2023. [A Unified View of Evaluation Metrics for Structured Prediction](#). *Proceedings of the 2023 Conference on Empirical Methods in Natural Language Processing*, pages 12868–12882, Singapore. Association for Computational Linguistics.
- ** Gantt, W., R. Kriz, Y. Chen, S. Vashishtha, & **A. White**. 2023. [On Event Individuation for Document-Level Information Extraction](#). *Findings of the Association for Computational Linguistics: EMNLP 2023*, pages 12938–12958, Singapore. Association for Computational Linguistics.
- ** Chen, Y., W. Gantt, W. Gu, T. Chen, **A.S. White**, & B. Van Durme. 2023. [Iterative Document-level Information Extraction via Imitation Learning](#). *Proceedings of the 17th Conference of the European Chapter of the Association for Computational Linguistics*, pages 1850–1866, Dubrovnik, Croatia. Association for Computational Linguistics.
- *** **White, A.S.**, & J. Lidz. 2022. [Lexicalization in the developing parser](#). *Glossa Psycholinguistics* 1(1).
- *** Gantt, W., L. Glass, & **A.S. White**. 2022. [Decomposing and Recomposing Event Structure](#). *Transactions of the Association for Computational Linguistics* 10: 17–34.

- * Kane, B., W. Gantt, & **A.S. White**. 2022. [Intensional Gaps: Relating veridicality, doxasticity, bouleticity, and neg-raising](#). *Semantics and Linguistic Theory* 31: 570–605.
- *** Huang, N., **A.S. White**, C. Liao, V. Hacquard, and J. Lidz. 2022. [Syntactic bootstrapping attitude verbs despite impoverished morphosyntax](#). *Language Acquisition* 29(1): 27–53.
- *** **White, A.S.** 2021. [On Believing and Hoping Whether](#). *Semantics and Pragmatics* 14 (6): 1–18.
- *** Stengel-Eskin, E., S. Zhang, K. Murray, **A.S. White**, & B. Van Durme. 2021. [Joint Universal Syntactic and Semantic Parsing](#). *Transactions of the Association for Computational Linguistics* 9: 756–773.
- * Kim, G.L. & **A.S. White**. 2021. [Montague Grammar Induction](#). *Semantics and Linguistic Theory* 30, eds. J. Rhyne, K. Lamp, N. Dreier, and C. Kwon: 227–251. Ithaca, NY: Linguistic Society of America.
- ** Yarmohammadi, M., S. Wu, M. Marone, H. Xu, S. Ebner, G. Qin, Y. Chen, J. Guo, C. Harman, K. Murray, **A.S. White**, M. Dredze and B. Van Durme. accepted. [Everything Is All It Takes: A Multipronged Strategy for Zero-Shot Cross-Lingual Information Extraction](#). *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing, 1950–1976*. Online and Punta Cana, Dominican Republic. Association for Computational Linguistics.
- ** Xia, P., G. Qin, S. Vashishtha, Y. Chen, T. Chen, C. May, C. Harman, K. Rawlins, **A.S. White**, & Benjamin Van Durme. 2021. [LOME: Large Ontology Multilingual Extraction](#). *Proceedings of the 16th Conference of the European Chapter of the Association for Computational Linguistics: System Demonstrations*. Kyiv, Ukraine: Association for Computational Linguistics.
- ** Xu, H., S. Ebner, M. Yarmohammadi, **A.S. White**, B. Van Durme, & K. Murray. 2021. [Gradual Fine-Tuning for Low-Resource Domain Adaptation](#). *Proceedings of the Second Workshop on Domain Adaptation for NLP*. Kyiv, Ukraine: Association for Computational Linguistics.
- *** **White, A.S.** & K. Rawlins. 2020. [Frequency, acceptability, and selection: A case study of clause-embedding](#). *Glossa* 5(1): 105. 1–41.
- ** Vashishtha, S., A. Poliak, Y. Kumar Lal, B. Van Durme, & **A.S. White**. 2020. [Temporal Reasoning in Natural Language Inference](#). In *Findings of the Association for Computational Linguistics: EMNLP 2020*, 4070–4078. Online: Association for Computational Linguistics.
- ** **White, A.S.**, E. Stengel-Eskin, S. Vashishtha, V. Govindarajan, D. Reisinger, T. Vieira, K. Sakaguchi, S. Zhang, F. Ferraro, R. Rudinger, K. Rawlins, & B. Van Durme. 2019. [The Universal Decompositional Semantics Dataset and Decomp Toolkit](#). *Proceedings of the 12th Conference on Language Resources and Evaluation (LREC 2020)*. pages 5698–5707. Marseille, 11-16 May 2020.
- ** Stengel-Eskin, E., **A.S. White**, S. Zhang, & B. Van Durme. 2019. [Universal Decompositional Semantic Parsing](#). *Proceedings of the 58th Annual Meeting of the Association for Computational Linguistics*, pages 8427-8439. July 5–10, 2020.
- * Moon, E. & **A.S. White**. 2020. [The source of nonfinite temporal interpretation](#). *Proceedings of the 50th Meeting of the North East Linguistic Society*, 11–24. Amherst, MA: GLSA Publications.
- ** An, H.Y. & **A.S. White**. 2020. [The lexical and grammatical sources of neg-raising inferences](#). *Proceedings of the Society for Computation in Linguistics* 3:23, pages 220–233. New Orleans, Louisiana, January 2-5, 2020.

- ** Chen, Y., T. Chen, S. Ebner, **A.S. White**, and B. Van Durme. 2020. [Reading the Manual: Event Extraction as Definition Comprehension](#). In *Proceedings of the EMNLP 2020 Workshop on Structured Prediction for NLP*, 74–83. Online: Association for Computational Linguistics.
- *** **White, A.S.** 2019. [Lexically triggered veridicality inferences](#). In *Handbook of Pragmatics*, eds. J. Östman & J. Verschueren. John Benjamins Publishing Company.
- ** Vashishtha, S., B. Van Durme, & **A.S. White**. 2019. [Fine-Grained Temporal Relation Extraction](#). In *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL 2019)*, pages 2906–2919. Florence, Italy, July 29-31, 2019.
- *** Govindarajan, V.S., B. Van Durme, & **A.S. White**. 2019. [Decomposing Generalization: Models of Generic, Habitual, and Episodic Statements](#). *Transactions of the Association for Computational Linguistics* 7: 501–517.
- ** Yan, S. & **A.S. White**. 2019. [A Framework for Decoding Event-Related Potentials from Text](#). In *Proceedings of the 9th Workshop on Cognitive Modeling and Computational Linguistics (CMCL 2019)*, pages 86–92, Minneapolis, USA, June 7, 2019.
- ** **White, A. S.**, R. Rudinger, K. Rawlins, & B. Van Durme. 2018. [Lexicosyntactic Inference in Neural Models](#). *Proceedings of the 2018 Conference on Empirical Methods in Natural Language Processing*, pages 4717–4724. Brussels, Belgium, October 31–November 4, 2018.
- ** Poliak, A., A. Haldar, R. Rudinger, J.E. Hu, E. Pavlick, **A. S. White**, & B. Van Durme. 2018. [Collecting Diverse Natural Language Inference Problems for Sentence Representation Evaluation](#). *Proceedings of 2018 Conference on Empirical Methods in Natural Language Processing*, pages 67–81. Brussels, Belgium, October 31–November 4, 2018.
- * **White, A. S.** & K. Rawlins. 2018. [The role of veridicality and factivity in clause selection](#). In *Proceedings of the 48th Meeting of the North East Linguistic Society*. 221–234. Amherst, MA: GLSA Publications.
- * **White, A. S.** & K. Rawlins. 2018. [Question agnosticism and change of state](#). In the *Proceedings of Sinn und Bedeutung 21*, eds. R. Truswell, C. Cummins, C. Heycock, B. Rabern, and H. Rohde, 1325–1342. Semantics Archive.
- *** **White, A. S.**, V. Hacquard, & J. Lidz. 2018. [Semantic information and the syntax of propositional attitude verbs](#). *Cognitive Science* 42(2), 416–456.
- *** **White, A. S.**, V. Hacquard, & J. Lidz. 2017. [The labeling problem in syntactic bootstrapping: Main clause syntax in the acquisition of propositional attitude verbs](#). In *Semantics in Acquisition*, eds. K. Syrett and S. Arunachalam. Trends in Language Acquisition Research (TiLAR), 197–222. Amsterdam: John Benjamins Publishing Company.
- *** Lidz, J., **A. S. White** & R. Baier. 2017. [The role of incremental parsing in syntactically conditioned word learning](#). *Cognitive Psychology* 97, 62–78.
- ** **White, A. S.**, K. Rawlins, & B. Van Durme. 2017. [The Semantic Proto-Role Linking Model](#). *Proceedings of 15th Conference of the European Chapter of the Association for Computational Linguistics*, pages 92–98, Valencia, Spain, April 3–7, 2017.
- * **White, A. S.** & K. Rawlins. 2016. [A computational model of S-selection](#). In *Semantics and Linguistic Theory* 26, eds. M. Moroney, C-R. Little, J. Collard, and D. Burgdorf, 641–663. Ithaca, NY: CLC Publications.
- ** **A. S. White**, D. Reisinger, K. Sakaguchi, T. Vieira, S. Zhang, R. Rudinger, K. Rawlins, & B. Van Durme. 2016. [Universal decompositional semantics on universal dependencies](#). In *Proceedings of the 2016 Conference on Empirical Methods in Natural Language Processing*, pages 1713–1723, Austin, Texas, November 1–5, 2016.

- * Fetters, M. & **A. S. White** 2016. [Pseudogapping does not involve heavy shift](#). In *Proceedings of the the 34th West Coast Conference on Formal Linguistics*, ed. A. Kaplan et al., 205-213. Somerville, MA: Cascadilla Proceedings Project.
- * Altshuler, D., V. Hacquard, T. Roberts, & **A. S. White** 2015. [On double access, cessation and parentheticality](#). In *Semantics and Linguistic Theory 25*, eds. S. D'Antonio, C. Little, M. Moroney, and M. Wiegand, 18–37. Ithaca, NY: CLC Publications.
- * **White, A. S.** 2014. [Factive-implicatives and modalized complements](#). In *Proceedings of the 44th Meeting of the North East Linguistic Society*, eds. J. Iyer, L. Kusmer, 267–278. Amherst, MA: GLSA Publications.
- * **White, A. S.** & Grano, T. 2014. [An experimental investigation of partial control](#). In *Proceedings of Sinn und Bedeutung 18*, eds. U. Etxeberria, A. Falaus, A. Irurtzun, B. Leferman, 469–486. Semantics Archive.
- * **White, A. S.**, Dudley, R., V. Hacquard, & Lidz, J. 2014. [Discovering classes of attitude verbs using subcategorization frame distributions](#). In *Proceedings of the 43rd Meeting of the North East Linguistic Society*, eds. H-L. Huang, E. Poole, A. Rysling, 249–260. Amherst, MA: GLSA Publications.

Unpublished

Grove, J. & **A.S. White**. 2024. [Factivity, presupposition projection, and the role of discrete knowledge in gradient inference judgments](#).

Grove, J. & **A.S. White**. 2024. [Modeling the prompt in inference judgment tasks](#). To appear in *Proceedings of the third Experiments in Linguistic Meaning conference (ELM 3)*.

Gantt, W., A. Martin, P. Kuchmiichuk, **A.S. White**. 2024. [Event-Keyed Summarization](#).

Barham, S., O. Weller, M. Yuan, K. Murray, M. Yarmohammadi, Z. Jiang, S. Vashishtha, A. Martin, A. Liu, **A.S. White**, J. Boyd-Graber, & B. Van Durme. 2023. [MegaWika: Millions of reports and their sources across 50 diverse languages](#).

Yan, S. & **A.S. White**. 2019. [Understanding Event Related Potentials during Reading using Pre-Compiled Abstractive Decoders](#).

White, A. S., V. Hacquard, P. Resnik, & J. Lidz. 2016. [The contextual modulation of semantic information](#).

White, A. S. 2016. [The interaction of implicativity with the form and scope of negation](#).

White, A. S., D. Reisinger, R. Rudinger, K. Rawlins, & B. Van Durme. 2016. [Computational linking theory](#).

Presentations **talk, *poster

Conference Presentations

- ** Grove, J. and **A.S. White**. 2024. Modeling the prompt in inference judgment tasks. Talk given at the third Experiments in Linguistic Meaning conference (ELM 3), June 13, 2024.
- * Cao, A., A.S. White, and D. Lassiter. 2024. Graded Causatives. Poster presented at the third Experiments in Linguistic Meaning conference (ELM 3), June 13, 2024.
- ** Chen, Y., W. Gantt, W. Gu, T. Chen, **A.S. White**, & B. Van Durme. 2023. [Iterative Document-level Information Extraction via Imitation Learning](#). Talk given at 17th Conference of the European Chapter of the Association for Computational Linguistics, Dubrovnik, Croatia, May 2–6, 2023.

- * Gantt, W., L. Glass, & **A.S. White**. 2022. Decomposing and Recomposing Event Structure. Poster presented at the 60th Annual Meeting of the Association for Computational Linguistics (ACL 2022), Dublin, Ireland, May 22–27, 2022.
- * Kane, B., W. Gantt, & **A.S. White**. 2021. Intensional Gaps: Relating doxasticity, bouleticity, veridicality, factivity, and neg-raising. Poster presented at Semantics and Linguistic Theory 31 (SALT 31), Brown University, May 7-9, 2021.
- ** Xia, P., G. Qin, S. Vashishtha, Y. Chen, T. Chen, C. May, C. Harman, K. Rawlins, **A.S. White**, and B. Van Durme. 2021. LOME: Large Ontology Multilingual Extraction. System demonstration presented at the 16th Conference of the European Chapter of the Association for Computational Linguistics. Kyiv, Ukraine, April 19-23, 2021.
- * Xu, H., S. Ebner, M. Yarmohammadi, A.S. White, B. Van Durme, and K. Murray. 2021. Gradual Fine-Tuning for Low-Resource Domain Adaptation. Poster presented at the Second Workshop on Domain Adaptation for NLP. Kyiv, Ukraine, April 20, 2021.
- ** Gantt, W., B. Kane, & **A.S. White**. 2020. Natural Language Inference with Mixed Effects. Talk given at the Ninth Joint Conference on Lexical and Computational Semantics (*SEM 2020), Online, December 12-13, 2020.
- ** Kim, G. & **A.S. White**. 2020. [Montague Grammar Induction](#). Talk given at Semantics and Linguistics Theory 30, Cornell University, August 17-20, 2020.
- ** Stengel-Eskin, E., A.S. White, S. Zhang, & B. Van Durme. 2020. Transductive Parsing for Universal Decompositional Semantics. Talk given at the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020), Seattle, WA, July 5-10, 2020.
- ** Govindarajan, V.S., B. Van Durme, & **A.S. White**. 2020. [Decomposing Generalization: Models of Generic, Habitual, and Episodic Statements](#). Talk given at the 58th Annual Meeting of the Association for Computational Linguistics (ACL 2020), Seattle, WA, July 5-10, 2020.
- * An, H.Y. & **A.S. White**. 2020. [The lexical and grammatical sources of neg-raising inferences](#). Poster presented at the Annual Meeting of Society for Computation in Linguistics, New Orleans, LA, January 2-5, 2020.
- ** Moon, E. & **A.S. White**. 2019. [The source of nonfinite temporal interpretation](#). Talk given at the 50th Annual Meeting of the Northeast Linguistic Society (NELS 50), Massachusetts Institute of Technology, October 24-27, 2019.
- ** Vashishtha, S., B. Van Durme, & **A.S. White**. 2019. [Fine-Grained Temporal Relation Extraction](#). Talk given at the 57th Annual Meeting of the Association for Computational Linguistics (ACL 2019), Florence, Italy, July 29-31, 2019.
- * Yan, S. & **A.S. White**. 2019. [A Framework for Decoding Event-Related Potentials from Text](#). Poster presented at the 9th Workshop on Cognitive Modeling and Computational Linguistics (CMCL 2019), Minneapolis, MN, June 7, 2019.
- ** **White, A. S.**, R. Rudinger, K. Rawlins, & B. Van Durme. 2018. [Lexicosyntactic Inference in Neural Models](#). Talk given at the 2018 Conference on Empirical Methods in Natural Language Processing, Brussels, Belgium, October 31-November 4, 2018.
- ** Poliak, A., A. Haldar, R. Rudinger, J.E. Hu, E. Pavlick, **A. S. White**, & B. Van Durme. 2018. Collecting Diverse Natural Language Inference Problems for Sentence Representation Evaluation. Talk given at the 2018 Conference on Empirical Methods in Natural Language Processing, Brussels, Belgium, October 31-November 4, 2018.
- ** **White, A. S.** & K. Rawlins. 2018. [The typology of veridicality inferences](#). Talk given at the 49th annual meeting of the North East Linguistic Society, Cornell University, October 5-7, 2018.

- ** Rudinger, R., **A. S. White**, & B. Van Durme. 2018. [Neural Models of Factuality](#). Presented at the 2018 Conference of the North American Chapter of the Association for Computational Linguistics, New Orleans, LA, June 1-6, 2018.
- ** **White, A. S.** & K. Rawlins. 2017. [The role of veridicality and factivity in clause selection](#). Presented at the 48th annual meeting of the North East Linguistic Society. University of Iceland. October 27-29, 2017.
- * Hirzel, M., **A. S. White**, & J. Lidz. 2017. Biased distributions in dialogs do not shape verb learning. Presented at the 42nd Boston University Conference on Language Development. Boston University. November 3-5, 2017.
- ** **White, A. S.**, P. Rastogi, K. Duh, & B. Van Durme. 2017. [Inference is Everything: Recasting Semantic Resources into a Unified Evaluation Framework](#). Presented at the 8th International Joint Conference on Natural Language Processing. Taipei, Taiwan, November 27-December 1, 2017.
- ** **White, A. S.**, K. Rawlins, & B. Van Durme. 2017. [The Semantic Proto-Role Linking Model](#). Presented at the 15th Conference of the European Chapter of the Association for Computational Linguistics. Valencia, Spain. April 3-7, 2017.
- ** **White, A. S.** & K. Rawlins. 2017. [Entropy predicts uncertainty in subcategorization frame distributions](#). Presented at the 39th Annual Conference of the German Linguistic Society, AG1: Information-theory based modeling of linguistic variation in context, Saarland University. March 8-10, 2017.
- * **White, A. S.**, D. Reisinger, K. Sakaguchi, T. Vieira, S. Zhang, R. Rudinger, K. Rawlins, & B. Van Durme. 2016. Universal decompositional semantics on universal dependencies. Presented at Empirical Methods in Natural Language Processing 2016, Austin, TX. November 1-5, 2016.
- ** **White, A. S.** & K. Rawlins. 2016. [Question agnosticism and change of state](#). Presented at Sinn und Bedeutung 21, University of Edinburgh. September 4-6, 2016.
- ** **White, A. S.** & K. Rawlins. 2016. [A computational model of S-selection](#). Presented at Semantics and Linguistic Theory 26, University of Texas, Austin. May 12-15, 2016.
- ** Fetters, M. & **A. S. White** 2016. [Pseudogapping does not involve heavy shift](#). Presented at the 34th West Coast Conference on Formal Linguistics, University of Utah. April 29-May 1, 2016.
- * **White, A. S.** & J. Sprouse. 2016. [The trace of categorical structure in gradient judgments](#). Presented at the 34th West Coast Conference on Formal Linguistics, University of Utah. April 29-May 1, 2016.
- * **White, A. S.**, V. Hacquard, P. Resnik, & J. Lidz. 2016. [Subcategorization frame entropy in online verb-learning](#). Presented at the 29th CUNY Conference on Human Sentence Processing, University of Florida. March 3-5, 2016.
- ** Altshuler, D., V. Hacquard, T. Roberts & **White, A. S.** 2015. [On double access, cessation and parentheticality](#). Presented at Semantics and Linguistic Theory 25, Stanford University. May 15-17, 2015.
- ** **White, A. S.** 2015. [Soft implicative entailments](#). Presented at the 89th Annual Meeting of the Linguistic Society of America, Portland, OR. January 8-11, 2015.
- * **White, A. S.** 2014. [Contextually modulated syntactic variability in child-directed speech](#). Presented at the 13th International Congress for the Study of Child Language, Amsterdam, The Netherlands. July 14-18, 2014.

- ** **White, A. S., J. Lidz & V. Hacquard** 2014. Syntactic sources of semantics and pragmatics. Presented at the 13th International Congress for the Study of Child Language, Amsterdam, The Netherlands. July 14-18, 2014.
- * **White, A. S.** 2013. [Factive-implicatives and modalized complements](#). Presented at the 44th annual meeting of the North East Linguistic Society, University of Connecticut. October 18-20, 2013.
- * **White, A. S. & T. Grano** 2013. An experimental investigation of partial control. Presented at Sinn und Bedeutung 18, University of the Basque Country. September 11-13, 2013.
- ** **Lidz, J., & A. S. White** 2013. Predictive parsing and the acquisition of thematic structure. Presented at the SRCD Biennial Meeting, Seattle, WA. April 18-20, 2013.
- * **White, A. S., R. Dudley, V. Hacquard, & J. Lidz** (2012). Discovering classes of attitude verbs using subcategorization frame distributions. Presented at the 43rd annual meeting of the North East Linguistic Society, CUNY. October 19-21, 2012.
- ** **White, A. S., R. Baier & J. Lidz** (2011). Prediction and subcategorization frame frequency in the developing parser. Presented at the 24th CUNY Conference on Human Sentence Processing, Stanford University. March 24-26, 2011.
- * **White, A. S., R. Baier & J. Lidz** (2010). When knowledge causes failure: Effects of subcategorization frequency in novel word learning. Presented at the 35th Boston University Conference on Language Development, Boston University. November 5-7, 2010.

Invited Talks

- White, A.S.** 2024. Ontological scaffolding for ontology-free representations of complex situations. Talk given at the GdR LIFT ILFC Seminar, April 10, 2024.
- White, A.S.** 2024. Identifying lexical semantic categories from noisy inference judgments. Talk given at the University of Chicago, February 23, 2024.
- White, A.S.** 2024. Distinguishing metalinguistic and contextual uncertainty. Talk given at the University of Chicago, February 22, 2024.
- White, A.S.** 2024. Frames Across Multiple Sources. Talk given at the Johns Hopkins University Human Language Technology Center of Excellence, January 25, 2024.
- White, A.S.** 2023. Representing complex situations. Talk given at the University of Texas, Austin, November 10, 2023.
- White, A.S.** 2023. The role of discreteness in gradient inference judgments: A case study of lexically triggered inferences. Talk given at Leipzig University, May 31, 2023.
- White, A.S.** 2022. Semantic Category Induction. Talk given at Rutgers University, November 11, 2022.
- White, A.S.** 2022. Montague Grammar Induction. Talk given at the second Experiments in Linguistic Meaning conference (ELM2), May 18, 2022.
- White, A.S.** 2022. Semantic Category Induction. Talk given at the University of Toronto, March 16, 2022.
- White, A.S.** 2021. A broad-coverage semantic classification of the clause-embedding lexicon. Talk given at the MECORE Workshop, University of Edinburgh, October 22, 2021.
- White, A.S.** 2019. Universal Decompositional Semantics. Talk given at the Center for Language and Speech Processing, Johns Hopkins University, December 6, 2019.

Rawlins, K. & **A.S. White**. 2019. Veridicality, factivity, and embedded clauses at the scale of the lexicon. Talk given at the Workshop on Clausal Complements and Sentence-Embedding Predicates, NYU, November 1, 2019.

White, A. S. 2018. Distribution, Inference, and Event Structure. Talk given at Stanford University. October 12, 2018.

White, A. S. 2017. Computational approaches to selection and complementation. Talk given at *Selectionfest 2017*. Humboldt University of Berlin and ZAS Berlin. Berlin, Germany. November 10-11, 2017.

White, A. S. 2017. Factoring word knowledge. Talk given at the Goergen Institute for Data Science Seminar Series, University of Rochester. March 2, 2017.

White, A. S. 2015. Learner as lexical semanticist. Distinguished Alumnus Address given at the Linguistics Undergraduate Research Conference, University of California, Santa Cruz. May 29, 2015.

Resources

Software

[Decomp \(v0.*\)](#)

Description: Decomp is a toolkit for working with the [Universal Decompositional Semantics \(UDS\)](#) dataset, which is a collection of directed acyclic semantic graphs with real-valued node and edge attributes pointing into Universal Dependencies syntactic dependency trees ([White et al. 2020](#)).

Data

[FAMuS](#)

Description: A dataset for cross-document event extraction built on top of the English portions of MegaWika ([Vashishtha et al. 2023](#)).

[MegaWika](#)

Description: Multi- and crosslingual text dataset containing 30 million Wikipedia passages with their scraped and cleaned web citations ([Barham et al. 2023](#)).

[MegaAcceptability \(v1.0, 2.0\)](#)

Description: Extremely large-scale acceptability judgment study (>5,000 participants) investigating the syntactic distribution of clause-embedding verbs ([White & Rawlins 2016](#), [An & White 2020](#)). Part of the [MegaAttitude Project](#).

[MegaVeridicality \(v1.0, 2.0\)](#)

Description: Extremely large-scale veridicality judgment study investigating veridicality inferences triggered by clause-embedding verbs ([White & Rawlins 2018](#), [White et al. 2018](#)). Part of the [MegaAttitude Project](#).

[MegaNegRaising \(v1.0\)](#)

Description: Extremely large-scale inference likelihood judgment study investigating neg(ation)-raising inferences triggered by clause-embedding verbs ([An & White 2020](#)). Part of the [MegaAttitude Project](#).

MegaOrientation (v1.*)

Description: Extremely large-scale acceptability judgment study of temporal interpretation in clause-embedding verbs (Moon & White 2020). Part of the [MegaAttitude Project](#).

MegaIntensionality (v1.0)

Description: Extremely large-scale acceptability judgment study of belief and desire inferences in clause-embedding verbs (Kane et al. 2022). Part of the [MegaAttitude Project](#).

Universal Decompositional Semantics Semantic Proto-Roles (v2.x)

Description: Large-scale corpus annotation of predicate arguments for Dowty’s proto-role entailments atop the English Universal Dependencies corpus v1.2 (White et al. 2016). Part of the [Decompositional Semantics Initiative](#).

Universal Decompositional Semantics Factuality (v1.0, 2.0)

Description: Large-scale corpus annotation of event realis atop the English Universal Dependencies corpus v1.2 (White et al. 2016, Rudinger et al. 2018). Part of the [Decompositional Semantics Initiative](#).

Universal Decompositional Semantics Genericity (v1.0)

Description: Large-scale corpus annotation of event realis atop the English Universal Dependencies corpus v1.2 (Govindarajan et al. 2019). Part of the [Decompositional Semantics Initiative](#).

Universal Decompositional Semantics Time (v1.0)

Description: Large-scale corpus annotation of temporal relations atop the English Universal Dependencies corpus v1.2 (Vashishtha et al. 2019). Part of the [Decompositional Semantics Initiative](#).

Universal Decompositional Semantics Event Structure (v1.0)

Description: Large-scale corpus annotation of event structure properties atop the English Universal Dependencies corpus v1.2 (Gantt et al. 2021). Part of the [Decompositional Semantics Initiative](#).

Spatial Human Simulation Paradigm dataset

Description: Extremely large-scale human simulation paradigm study (>5,000 participants) investigating how distributional and semantic information are affected by context (White et al. 2016).

Implicative verbs dataset

Description: Set of large-scale contradiction detection, plausibility judgment, and likelihood judgment experiments (~900 participants) investigating implicative verbs (White 2016).

Partial control dataset

Description: Set of medium-scale acceptability judgment experiments (~300 participants) investigating partial control (White & Grano 2014).

Teaching

- Spring 2024 Introduction to Computational Linguistics. University of Rochester.
Fall 2023 Deep Learning Methods in Computational Linguistics. University of Rochester
Summer 2023 Representation Learning for Syntactic and Semantic Theory. LSA Linguistic
Institute.
Spring 2023 Introduction to Computational Linguistics. University of Rochester.
Fall 2022 Statistical Methods in Computational Linguistics. University of Rochester.
Spring 2022 Introduction to Computational Linguistics. University of Rochester.
Natural Language Processing. University of Rochester.
Fall 2021 Statistical Methods in Computational Linguistics. University of Rochester.
Spring 2021 Introduction to Computational Linguistics. University of Rochester.
Statistical and Neural Computational Linguistics. University of Rochester.
Spring 2020 Introduction to Computational Linguistics. University of Rochester
Fall 2019 Introduction to Computational Linguistics. University of Rochester.
Computational Semantics. University of Rochester.
Spring 2019 Statistical and Neural Computational Linguistics. University of Rochester.
Fall 2018 Introduction to Computational Linguistics. University of Rochester.
Introduction to Semantic Analysis. University of Rochester.
Spring 2018 Introduction to Computational Linguistics. University of Rochester.
Fall 2017 Computational Semantics. University of Rochester
Summer 2017 Unsupervised Methods for Linguistic Data. ESSLLI 2017.
Computational Lexical Semantics. ESSLLI 2017.
Fall 2014 Learning Meanings. University of Maryland, College Park.

Advising

Primary PhD Advising

- expected 2029 Woo Jin Choi, PhD in Linguistics, University of Rochester.
expected 2028 [Angela Cao](#), PhD in Linguistics, University of Rochester.
expected 2026 [Stephanie Richter](#), PhD in Linguistics, University of Rochester.
expected 2024 [William Gantt](#), PhD in Computer Science, University of Rochester.
expected 2024 [Siddharth Vashishtha](#), PhD in Computer Science, University of Rochester.

Secondary PhD Advising

- expected 2026 Jin Dou, PhD in Biomedical Engineering, University of Rochester.
expected 2024 [Hannah An](#), PhD in Computer Science, University of Rochester.
2024 [Benjamin Kane](#), PhD in Computer Science, University of Rochester.

MS/MA Advising

- expected 2025 Chihsheng Jin, MS in Computational Linguistics, University of Rochester.
- 2024 Pavlo Kuchmiichuk, MS in Computational Linguistics, University of Rochester.
- 2024 Akash Chaudhuri, MS in Computational Linguistics, University of Rochester.
- 2024 Congwen Zhang, MS in Computational Linguistics, University of Rochester.
- 2024 Siwei Tang, MS in Computational Linguistics, University of Rochester.
- 2023 Aarsal Imtiaz, MS in Computer Science, University of Rochester.
- 2023 Chandrashekar Nair, MS in Computer Science, University of Rochester.
- 2023 Zixu Wang, MS in Computational Linguistics, University of Rochester.
- 2022 [Zhendong Liu](#), MS in Computational Linguistics, University of Rochester.
- 2022 [Weiwei Gu](#), MS in Computer Science, University of Rochester.
- 2020 [Ellise Moon](#), MA in Linguistics, University of Rochester.
- 2019 [Hannah An](#), MS in Computational Linguistics, University of Rochester.
- 2019 [Siddharth Vashishtha](#), MS in Computational Linguistics, University of Rochester.
- 2019 [Venkata Govindarajan](#), MS in Computational Linguistics, University of Rochester.

Undergraduate Honors Thesis Advising

- 2024 Alexander Martin, BS in Computer Science, University of Rochester.

Thesis Committees (non-advisees)

- 2023 Chen Yu, PhD in Computer Science, University of Rochester.
- 2023 Zachary Burchill, PhD in Brain and Cognitive Sciences, University of Rochester.
- 2022 Lane Lawley, PhD in Computer Science, University of Rochester.
- 2022 Georgiy Platonov, PhD in Computer Science, University of Rochester.
- 2022 Lisa Jin, PhD in Computer Science, University of Rochester.
- 2021 Gene Kim, PhD in Computer Science, University of Rochester.
- 2021 Parker Riley, PhD in Computer Science, University of Rochester.
- 2021 Tianlang Chen, PhD in Computer Science, University of Rochester.
- 2020 Nabil Hossain, PhD in Computer Science, University of Rochester.
- 2020 Adam Poliak, PhD in Computer Science, Johns Hopkins University.
- 2019 Rachel Rudinger, PhD in Computer Science, Johns Hopkins University.
- 2019 Adam Teichert, PhD in Computer Science, Johns Hopkins University.

Thesis Defense Chair

- 2020 Wednesday Bushong, PhD in Brain and Cognitive Sciences, University of Rochester.
- 2019 Ryan Yates, PhD in Computer Science, University of Rochester.
- 2019 Frank Mollica, PhD in Brain and Cognitive Sciences, University of Rochester.
- 2019 Matthew Overlan, PhD in Brain and Cognitive Sciences, University of Rochester.
- 2018 Xiaochang Peng, PhD in Computer Science, University of Rochester.

Service

University roles

- 2025– Director.
Center for Language Sciences, University of Rochester.

Departmental roles

- 2023–2024 Director of Graduate Studies.
Department of Linguistics, University of Rochester.

Other departmental service

- 2017–2019 Member of Panel on “Large Language Models: Boon or Bane?”.
Center for Language Sciences, University of Rochester.
- 2023–2024 Hiring Committee Member, Open Rank (Computational Social Science).
Goergen Institute for Data Science, University of Rochester.
- 2021–2022 Hiring Committee Member, Associate or Full Professor (NLP/ML)
Department of Computer Science, University of Rochester.
- 2018–2020 University Faculty Council Representative.
Department of Linguistics, University of Rochester.
- 2017–2019 Cognitive Science Dinner Committee Member.
Center for Language Sciences, University of Rochester.
- 2018–2019 Hiring Committee, Open Rank (Syntax)
Department of Linguistics, University of Rochester.
- 2017–2018 Hiring Committee, Open Rank (Semantics)
Department of Linguistics, University of Rochester.

Other university service

- 2024 Presenter at CAREER Award Preparation Workshop.
University of Rochester.
- 2023 Faculty Student Marshal for University Commencement.
University of Rochester.
- 2023 Reviewer for University Research Awards. University of Rochester.
- 2022 Leader of Workshop on De-Mystifying the Federal Research
Grant Submission Process for the Humanities and Social Sciences.
University of Rochester.
- 2022 Member of Fulbright Campus Evaluation Committee.
University of Rochester.
- 2019 Reviewer for Sproull and Provost Fellowships. University of Rochester.
- 2018 Member of Academic Job Search Faculty Panel. University of Rochester.

Grant-awarding agency reviewing (panel)

National Science Foundation (DGE-BCS-Linguistics)

Grant-awarding agency reviewing (ad hoc)

National Science Foundation (DGE-BCS-Linguistics)

German Research Foundation (Deutsche Forschungsgemeinschaft)

Journal reviewing (standing)

Transactions of the Association for Computational Linguistics

Journal reviewing (ad hoc)

Language

Semantics & Pragmatics

Linguistics & Philosophy

Journal of Semantics

Natural Language Semantics

Linguistic Inquiry

Cognition

Cognitive Science

Language Acquisition

Glossa

Transactions of the Association for Computational Linguistics

Language, Cognition, and Neuroscience

Journal of Psycholinguistic Research

Linguistics Vanguard

Chapter reviewing

Cambridge Elements in Semantics, Cambridge University Press.

Semantics in Acquisition, Trends in Language Acquisition Research, John Benjamins.

Conference organizing

Organizer, The 34th Annual Meeting of Semantics and Linguistic Theory (SALT34)

Conference senior program committee

Senior Area Chair (Lexical Semantics), The 62nd Annual Meeting of the Association for Computational Linguistics (ACL 2024)

Senior Area Chair (Information Extraction), The 61st Annual Meeting of the Association for Computational Linguistics (ACL 2023)

Conference program committee

Area Chair (Linguistic Theories, Cognitive Modeling and Psycholinguistics), The 2022 Conference on Empirical Methods in Natural Language Processing (EMNLP 2022)

Area Chair (Language Resources and Evaluation), 2021 Annual Conference of the North American Chapter of the Association for Computational Linguistics (NAACL-HLT 2021)

Conference reviewing

Semantics and Linguistic Theory (SALT 2017, 2019-2023)
Amsterdam Colloquium (AC 2017)
Annual Meeting of the North East Linguistic Society (NELS 2017-2021)
Annual Meeting of the Society for Computation in Linguistics (SCiL 2020, 2022)
West Coast Conference on Formal Linguistics (WCCFL 2022)
Experiments in Linguistic Meaning (ELM 2022)
Cognitive Science Society annual conference (CogSci 2014-2019)
Boston University Conference on Language Development (BUCLD 2017)
Annual Meeting of the Association for Computational Linguistics (ACL 2019-2020, 2022)
Annual Meeting of the European Chapter of the Association for Computational Linguistics (EACL 2021, 2023)
International Conference on Computational Linguistics (COLING 2018)
International Joint Conference on Natural Language Processing (IJCNLP 2017)
Empirical Methods in Natural Language Processing (EMNLP 2018-2020)
AAAI Conference on Artificial Intelligence (AAAI 2019)
Language, Data, and Knowledge (LDK 2019)

Last updated: June 12, 2024

<http://aaronstevenwhite.io/cv.pdf>