

NATHAN SCHNEIDER

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Academic Appointments

Georgetown University	Assistant Professor of Linguistics and Computer Science	8/2016 – present
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Education

University of Edinburgh	Postdoctoral Fellow: Institute for Language, Cognition and Computation, School of Informatics (mentor: Mark Steedman)	9/2014 – 7/2016
Carnegie Mellon University (Pittsburgh)	Ph.D.: Language and Information Technologies (advisor: Noah Smith) Dissertation: <i>Lexical Semantic Analysis in Natural Language Text</i>	8/2008 – 8/2014
University of California, Berkeley	B.A. with High Honors: Computer Science (with Honors), Linguistics	8/2004 – 5/2008

Internships

University of Southern California (Los Angeles)	NLP Research Intern: Information Sciences Institute (mentor: Kevin Knight)	6/2012 – 8/2012
Microsoft (Redmond)	Software Development Intern	5/2007 – 8/2007
Convergys (Cincinnati)	Software Intern	6/2006 – 8/2006
CAD Centric Systems (Cincinnati)	Software Intern	6/2003 – 7/2003

Publications

Refereed Journal Articles

- Jakob Prange and **Nathan Schneider** (June 2021). [Draw *mir* a sheep: a supersense-based analysis of German case and adposition semantics](#). In: *Künstliche Intelligenz* 35.2: *NLP and Semantics*. Ed. by Daniel Hershcovich and Lucia Donatelli.
- Jakob Prange, **Nathan Schneider**, and Vivek Srikumar (Mar. 2021). [Supertagging the long tail with tree-structured decoding of complex categories](#). In: *Transactions of the Association for Computational Linguistics* 9, pp. 243–260. Presented at EACL 2021.
- Nathan Schneider**, Emily Danchik, Chris Dyer, and Noah A. Smith (Apr. 2014). [Discriminative lexical semantic segmentation with gaps: running the MWE gamut](#). In: *Transactions of the Association for Computational Linguistics* 2, pp. 193–206. Presented at ACL 2014.
- Dipanjan Das, Desai Chen, André F. T. Martins, **Nathan Schneider**, and Noah A. Smith (Mar. 2014). [Frame-semantic parsing](#). In: *Computational Linguistics* 40.1, pp. 9–56.

Refereed Conference Papers

- Taelin Karidi, Yichu Zhou, **Nathan Schneider**, Omri Abend, and Vivek Srikumar (Nov. 2021). [Putting words in BERT’s mouth: navigating contextualized vector spaces with pseudowords](#). In: *Proc. of EMNLP*. Punta Cana, Dominican Republic.
- Michael Kranzlein, Nelson F. Liu, and **Nathan Schneider** (Nov. 2021). [Making heads and tails of models with marginal calibration for sparse tagsets](#). In: *Findings of the Association for Computational Linguistics: EMNLP 2021*. Punta Cana, Dominican Republic.
- Austin Blodgett and **Nathan Schneider** (Aug. 2021). [Probabilistic, structure-aware algorithms for improved variety, accuracy, and coverage of AMR alignments](#). In: *Proc. of ACL-IJCNLP*. Online, pp. 3310–3321.
- Daniel Hershcovich, **Nathan Schneider**, Dotan Dvir, Jakob Prange, Miryam de Lhoneux, and Omri Abend (Dec. 2020). [Comparison by conversion: reverse-engineering UCCA from syntax and lexical semantics](#). In: *Proc. of COLING*. Barcelona, Spain (Online), pp. 2947–2966.
- Emma Manning, Shira Wein, and **Nathan Schneider** (Dec. 2020). [A human evaluation of AMR-to-English generation systems](#). In: *Proc. of COLING*. Barcelona, Spain (Online), pp. 4773–4786.
- Aryaman Arora, Luke Gessler, and **Nathan Schneider** (July 2020). [Supervised grapheme-to-phoneme conversion of orthographic schwas in Hindi and Punjabi](#). In: *Proc. of ACL*. Online, pp. 7791–7795.
- Sean Trott, Tiago Timponi Torrent, Nancy Chang, and **Nathan Schneider** (July 2020). [\(Re\)construing meaning in NLP](#). In: *Proc. of ACL*. Online, pp. 5170–5184.
- Siyao Peng, Yang Liu, Yilun Zhu, Austin Blodgett, Yushi Zhao, and **Nathan Schneider** (May 2020). [A corpus of adpositional supersenses for Mandarin Chinese](#). In: *Proc. of LREC*. Marseille, France, pp. 5988–5996.
- Jakob Prange, **Nathan Schneider**, and Omri Abend (Nov. 2019). [Made for each other: Broad-coverage semantic structures meet preposition supersenses](#). In: *Proc. of CoNLL*. Hong Kong, China, pp. 174–185.
- Austin Blodgett and **Nathan Schneider** (May 2019). [An improved approach for semantic graph composition with CCG](#). In: *Proc. of IWCS*. Gothenburg, Sweden, pp. 55–70.
- Hannah Rohde, Alexander Johnson, **Nathan Schneider**, and Bonnie Webber (July 2018). [Discourse coherence: concurrent explicit and implicit relations](#). In: *Proc. of ACL*. Melbourne, Australia, pp. 2257–2267.
- Nathan Schneider**, Jena D. Hwang, Vivek Srikumar, Jakob Prange, Austin Blodgett, Sarah R. Moeller, Aviram Stern, Adi Bitan, and Omri Abend (July 2018). [Comprehensive supersense disambiguation of English prepositions and possessives](#). In: *Proc. of ACL*. Melbourne, Australia, pp. 185–196.
- Yijia Liu, Yi Zhu, Wanxiang Che, Bing Qin, **Nathan Schneider**, and Noah A. Smith (June 2018). [Parsing tweets into Universal Dependencies](#). In: *Proc. of NAACL-HLT*. New Orleans, Louisiana, pp. 965–975.
- Ida Szubert, Adam Lopez, and **Nathan Schneider** (June 2018). [A structured syntax-semantics interface for English-AMR alignment](#). In: *Proc. of NAACL-HLT*. New Orleans, Louisiana, pp. 1169–1180.
- Austin Blodgett and **Nathan Schneider** (May 2018). [Semantic supersenses for English possessives](#). In: *Proc. of LREC*. Ed. by Nicoletta Calzolari, Khalid Choukri, Christopher Cieri, Thierry Declerck, Sara Goggi, Koiti Hasida, Hitoshi Isahara, Bente Maegaard, Joseph Mariani, H el ene Mazo, Asuncion Moreno, Jan Odijk, Stelios Piperidis, and Takenobu Tokunaga. Miyazaki, Japan, pp. 1529–1534.
- Claire Bonial, Bianca Badarau, Kira Griffitt, Ulf Hermjakob, Kevin Knight, Tim O’Gorman, Martha Palmer, and **Nathan Schneider** (May 2018). [Abstract Meaning Representation of constructions: The more we include, the better the representation](#). In: *Proc. of LREC*. Ed. by Nicoletta Calzolari, Khalid Choukri, Christopher Cieri, Thierry Declerck, Sara Goggi, Koiti Hasida, Hitoshi Isahara, Bente Maegaard, Joseph Mariani, H el ene Mazo, Asuncion Moreno, Jan Odijk, Stelios Piperidis, and Takenobu Tokunaga. Miyazaki, Japan, pp. 1677–1684.
- Hannah Rohde, Anna Dickinson, **Nathan Schneider**, Annie Louis, and Bonnie Webber (Sept. 2017). [Exploring substitutability through discourse adverbials and multiple judgments](#). In: *Proc. of IWCS*. Montpellier, France.
- Jena D. Hwang, Archana Bhatia, Na-Rae Han, Tim O’Gorman, Vivek Srikumar, and **Nathan Schneider** (Aug. 2017). [Double trouble: the problem of construal in semantic annotation of adpositions](#). In: *Proc. of *SEM*. Vancouver, Canada, pp. 178–188.

- Nora Hollenstein, **Nathan Schneider**, and Bonnie Webber (May 2016). [Inconsistency detection in semantic annotation](#). In: *Proc. of LREC*. Ed. by Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Marko Grobelnik, Bente Maegaard, Joseph Mariani, Asuncion Moreno, Jan Odijk, and Stelios Piperidis. Portorož, Slovenia, pp. 3986–3990.
- Meghana Kshirsagar, Sam Thomson, **Nathan Schneider**, Jaime Carbonell, Noah A. Smith, and Chris Dyer (July 2015). [Frame-semantic role labeling with heterogeneous annotations](#). In: *Proc. of ACL-IJCNLP*. Beijing, China, pp. 218–224.
- Lizhen Qu, Gabriela Ferraro, Liyuan Zhou, Weiwei Hou, **Nathan Schneider**, and Timothy Baldwin (July 2015). [Big data small data, in domain out-of-domain, known word unknown word: the impact of word representations on sequence labelling tasks](#). In: *Proc. of CoNLL*. Beijing, China, pp. 83–93.
- Nathan Schneider** and Noah A. Smith (June 2015). [A corpus and model integrating multiword expressions and supersenses](#). In: *Proc. of NAACL-HLT*. Denver, Colorado, pp. 1537–1547.
- Lingpeng Kong, **Nathan Schneider**, Swabha Swayamdipta, Archana Bhatia, Chris Dyer, and Noah A. Smith (Oct. 2014). [A dependency parser for tweets](#). In: *Proc. of EMNLP*. Doha, Qatar, pp. 1001–1012.
- Archana Bhatia, Chu-Cheng Lin, **Nathan Schneider**, Yulia Tsvetkov, Fatima Talib Al-Raisi, Laleh Roostapour, Jordan Bender, Abhimanu Kumar, Lori Levin, Mandy Simons, and Chris Dyer (Aug. 2014). [Automatic classification of communicative functions of definiteness](#). In: *Proc. of COLING*. Dublin, Ireland, pp. 1059–1070.
- Nathan Schneider**, Spencer Onuffer, Nora Kazour, Emily Danchik, Michael T. Mordowanec, Henrietta Conrad, and Noah A. Smith (May 2014). [Comprehensive annotation of multiword expressions in a social web corpus](#). In: *Proc. of LREC*. Ed. by Nicoletta Calzolari, Khalid Choukri, Thierry Declerck, Hrafn Loftsson, Bente Maegaard, Joseph Mariani, Asuncion Moreno, Jan Odijk, and Stelios Piperidis. Reykjavík, Iceland, pp. 455–461.
- Yulia Tsvetkov, **Nathan Schneider**, Dirk Hovy, Archana Bhatia, Manaal Faruqui, and Chris Dyer (May 2014). [Augmenting English adjective senses with supersenses](#). In: *Proc. of LREC*. Reykjavík, Iceland, pp. 4359–4365.
- Laura Banarescu, Claire Bonial, Shu Cai, Madalina Georgescu, Kira Griffitt, Ulf Hermjakob, Kevin Knight, Philipp Koehn, Martha Palmer, and **Nathan Schneider** (Aug. 2013). [Abstract Meaning Representation for sembanking](#). In: *Proc. of the 7th Linguistic Annotation Workshop and Interoperability with Discourse*. Sofia, Bulgaria, pp. 178–186.
- Olutobi Owoputi, Brendan O’Connor, Chris Dyer, Kevin Gimpel, **Nathan Schneider**, and Noah A. Smith (June 2013). [Improved part-of-speech tagging for online conversational text with word clusters](#). In: *Proc. of NAACL-HLT*. Atlanta, Georgia, USA, pp. 380–390.
- Nathan Schneider**, Behrang Mohit, Chris Dyer, Kemal Oflazer, and Noah A. Smith (June 2013). [Supersense tagging for Arabic: the MT-in-the-middle attack](#). In: *Proc. of NAACL-HLT*. Atlanta, Georgia, USA, pp. 661–667.
- Nathan Schneider**, Behrang Mohit, Kemal Oflazer, and Noah A. Smith (July 2012). [Coarse lexical semantic annotation with supersenses: an Arabic case study](#). In: *Proc. of ACL*. Jeju Island, Korea, pp. 253–258.
- Behrang Mohit, **Nathan Schneider**, Rishav Bhowmick, Kemal Oflazer, and Noah A. Smith (Apr. 2012). [Recall-oriented learning of named entities in Arabic Wikipedia](#). In: *Proc. of EACL*. Avignon, France, pp. 162–173.
- Kevin Gimpel, **Nathan Schneider**, Brendan O’Connor, Dipanjan Das, Daniel Mills, Jacob Eisenstein, Michael Heilman, Dani Yogatama, Jeffrey Flanigan, and Noah A. Smith (June 2011). [Part-of-speech tagging for Twitter: annotation, features, and experiments](#). In: *Proc. of ACL-HLT*. Portland, Oregon, USA, pp. 42–47.
- Dipanjan Das, **Nathan Schneider**, Desai Chen, and Noah A. Smith (June 2010). [Probabilistic frame-semantic parsing](#). In: *Proc. of NAACL-HLT*. Los Angeles, California, pp. 948–956.
- Schneider, Nathan** (Feb. 2010). [Computational cognitive morphosemantics: modeling morphological compositionality in Hebrew verbs with Embodied Construction Grammar](#). In: *Proc. of the 36th Annual Meeting of the Berkeley Linguistics Society*. Berkeley, California, pp. 353–367.

Refereed Workshop Papers

- Luke Gessler and **Nathan Schneider** (Nov. 2021). [BERT has uncommon sense: similarity ranking for word sense BERTology](#). In: *Proc. of the BlackboxNLP Workshop: Analyzing and Interpreting Neural Networks for NLP*. Punta Cana, Dominican Republic.
- Emma Manning and **Nathan Schneider** (Nov. 2021). [Referenceless parsing-based evaluation of AMR-to-English generation](#). In: *Proc. of the Eval4NLP Workshop*. Punta Cana, Dominican Republic.
- Zhuxin Wang, Jakob Prange, and **Nathan Schneider** (Nov. 2021). [Subcategorizing adverbials in Universal Conceptual Cognitive Annotation](#). In: *Proc. of the Joint 15th Linguistic Annotation Workshop (LAW) and 3rd Designing Meaning Representations (DMR) Workshop*. Punta Cana, Dominican Republic.
- Shira Wein and **Nathan Schneider** (Nov. 2021). [Classifying divergences in cross-lingual AMR pairs](#). In: *Proc. of the Joint 15th Linguistic Annotation Workshop (LAW) and 3rd Designing Meaning Representations (DMR) Workshop*. Punta Cana, Dominican Republic.
- Nelson F. Liu, Daniel Hershcovich, Michael Kranzlein, and **Nathan Schneider** (Aug. 2021). [Lexical semantic recognition](#). In: *Proc. of the 17th Workshop on Multiword Expressions (MWE 2021)*. Online, pp. 49–56.
- Emma Manning, **Nathan Schneider**, and Amir Zeldes (June 2021). [A balanced and broadly targeted computational linguistics curriculum](#). In: *Proc. of the Fifth Workshop on Teaching NLP*. Online, pp. 65–69.
- Luke Gessler, Shira Wein, and **Nathan Schneider** (Dec. 2020). [Supersense and sensibility: proxy tasks for semantic annotation of prepositions](#). In: *Proc. of the 14th Linguistic Annotation Workshop*. Barcelona, Spain (Online), pp. 117–126.
- Jena D. Hwang, Hanwool Choe, Na-Rae Han, and **Nathan Schneider** (Dec. 2020). [K-SNACS: Annotating Korean adposition semantics](#). In: *Proc. of the Second International Workshop on Designing Meaning Representations*. Barcelona, Spain (Online), pp. 53–66.
- Jena D. Hwang, **Nathan Schneider**, and Vivek Srikumar (Dec. 2020). [Sprucing up supersenses: untangling the semantic clusters of accompaniment and purpose](#). In: *Proc. of the 14th Linguistic Annotation Workshop*. Barcelona, Spain (Online), pp. 127–137.
- Michael Kranzlein, Emma Manning, Siyao Peng, Shira Wein, Aryaman Arora, and **Nathan Schneider** (Dec. 2020). [PASTRIE: a corpus of prepositions annotated with supersense tags in Reddit international English](#). In: *Proc. of the 14th Linguistic Annotation Workshop*. Barcelona, Spain (Online), pp. 105–116.
- Jakob Prange, **Nathan Schneider**, and Omri Abend (Aug. 2019). [Semantically constrained multilayer annotation: the case of coreference](#). In: *Proc. of the First International Workshop on Designing Meaning Representations*. Florence, Italy, pp. 164–176.
- Adi Shalev, Jena D. Hwang, **Nathan Schneider**, Vivek Srikumar, Omri Abend, and Ari Rappoport (Aug. 2019). [Preparing SNACS for subjects and objects](#). In: *Proc. of the First International Workshop on Designing Meaning Representations*. Florence, Italy, pp. 141–147.
- Lucia Donatelli, Michael Regan, William Croft, and **Nathan Schneider** (Aug. 2018). [Annotation of tense and aspect semantics for sentential AMR](#). In: *Proc. of the Joint Workshop on Linguistic Annotation, Multiword Expressions and Constructions (LAW-MWE-CxG-2018)*. Santa Fe, New Mexico, USA, pp. 96–108.
- Carlos Ramisch, Silvio Ricardo Cordeiro, Agata Savary, Veronika Vincze, Verginica Barbu Mititelu, Archana Bhatia, Maja Buljan, Marie Candito, Polona Gantar, Voula Giouli, Tunga Güngör, Abdelati Hawwari, Uxoá Iñurrieta, Jolanta Kovalevskaitė, Simon Krek, Timm Lichte, Chaya Liebeskind, Johanna Monti, Carla Parra Escartín, Behrang Qasemizadeh, Renata Ramisch, **Nathan Schneider**, Ivelina Stoyanova, Ashwini Vaidya, and Abigail Walsh (Aug. 2018). [Edition 1.1 of the PARSEME Shared Task on Automatic Identification of Verbal Multiword Expressions](#). In: *Proc. of the Joint Workshop on Linguistic Annotation, Multiword Expressions and Constructions (LAW-MWE-CxG-2018)*. Santa Fe, New Mexico, USA, pp. 222–240.
- Abigail Walsh, Claire Bonial, Kristina Geeraert, John P. McCrae, **Nathan Schneider**, and Clarissa Somers (Aug. 2018). [Constructing an annotated corpus of verbal MWEs for English](#). In: *Proc. of the Joint Workshop on Lin-*

- guistic Annotation, Multiword Expressions and Constructions (LAW-MWE-CxG-2018)*. Santa Fe, New Mexico, USA, pp. 193–200.
- Hannah Rohde, Anna Dickinson, **Nathan Schneider**, Christopher N. L. Clark, Annie Louis, and Bonnie Webber (Aug. 2016). [Filling in the blanks in understanding discourse adverbials: consistency, conflict, and context-dependence in a crowdsourced elicitation task](#). In: *Proc. of the 10th Linguistic Annotation Workshop*. Valencia, Spain, pp. 49–58.
- Nathan Schneider**, Jena D. Hwang, Vivek Srikumar, Meredith Green, Abhijit Suresh, Kathryn Conger, Tim O’Gorman, and Martha Palmer (Aug. 2016). [A corpus of preposition supersenses](#). In: *Proc. of LAW X – the 10th Linguistic Annotation Workshop*. Berlin, Germany, pp. 99–109.
- Nathan Schneider**, Dirk Hovy, Anders Johannsen, and Marine Carpuat (June 2016). [SemEval-2016 Task 10: Detecting Minimal Semantic Units and their Meanings \(DiMSUM\)](#). In: *Proc. of SemEval*. San Diego, California, USA, pp. 546–559.
- Nathan Schneider**, Vivek Srikumar, Jena D. Hwang, and Martha Palmer (June 2015). [A hierarchy with, of, and for preposition supersenses](#). In: *Proc. of The 9th Linguistic Annotation Workshop*. Denver, Colorado, USA, pp. 112–123.
- Sam Thomson, Brendan O’Connor, Jeffrey Flanigan, David Bamman, Jesse Dodge, Swabha Swayamdipta, **Nathan Schneider**, Chris Dyer, and Noah A. Smith (Aug. 2014). [CMU: arc-factored, discriminative semantic dependency parsing](#). In: *Proc. of SemEval*. Dublin, Ireland, pp. 176–180.
- Nathan Schneider**, Brendan O’Connor, Naomi Saphra, David Bamman, Manaal Faruqui, Noah A. Smith, Chris Dyer, and Jason Baldridge (Aug. 2013). [A framework for \(under\)specifying dependency syntax without overloading annotators](#). In: *Proc. of the 7th Linguistic Annotation Workshop and Interoperability with Discourse*. Sofia, Bulgaria, pp. 51–60.
- Yulia Tsvetkov, Naama Twitto, **Nathan Schneider**, Noam Ordan, Manaal Faruqui, Victor Chahuneau, Shuly Wintner, and Chris Dyer (June 2013). [Identifying the L1 of non-native writers: the CMU-Haifa system](#). In: *Proc. of the Eighth Workshop on Innovative Use of NLP for Building Educational Applications*. Atlanta, Georgia, USA, pp. 279–287.
- Desai Chen, **Nathan Schneider**, Dipanjan Das, and Noah A. Smith (July 2010). [SEMAFOR: frame argument resolution with log-linear models](#). In: *Proc. of SemEval*. Uppsala, Sweden, pp. 264–267.

Refereed Demo Papers

- Nathan Schneider** and Chuck Wooters (Sept. 2017). [The NLTK FrameNet API: Designing for discoverability with a rich linguistic resource](#). In: *Proc. of the 2017 Conference on Empirical Methods in Natural Language Processing: System Demonstrations*. Copenhagen, Denmark, pp. 1–6.
- Michael T. Mordowanec, **Nathan Schneider**, Chris Dyer, and Noah A. Smith (June 2014). [Simplified dependency annotations with GFL-Web](#). In: *Proc. of 52nd Annual Meeting of the Association for Computational Linguistics: System Demonstrations*. Baltimore, Maryland, USA, pp. 121–126.

Invited Workshop Papers

- Nathan Schneider** (June 2015). [What I’ve learned about annotating informal text \(and why you shouldn’t take my word for it\)](#). In: *Proc. of The 9th Linguistic Annotation Workshop*. Denver, Colorado, USA, pp. 152–157.

Book Reviews

- Nathan Schneider** and Reut Tsarfaty (June 2013). [Design Patterns in Fluid Construction Grammar](#), Luc Steels (editor). In: *Computational Linguistics* 39.2, pp. 447–453.

Annotation Manuals

- Aryaman Arora, Nitin Venkateswaran, and **Nathan Schneider** (Mar. 2021). [Hindi-Urdu Adposition and Case Supersenses v1.0](#). In: *arXiv:2103.01399 [cs]*. 48 pages.
- Omri Abend, **Nathan Schneider**, Dotan Dvir, Jakob Prange, and Ari Rappoport (Dec. 2020). [UCCA's Foundational Layer: Annotation guidelines v2.1](#). In: *arXiv:2012.15810 [cs]*. 40 pages.
- Nathan Schneider**, Jena D. Hwang, Archana Bhatia, Vivek Srikumar, Na-Rae Han, Tim O’Gorman, Sarah R. Moeller, Omri Abend, Adi Shalev, Austin Blodgett, and Jakob Prange (Apr. 2020). [Adposition and Case Supersenses v2.5: Guidelines for English](#). In: *arXiv:1704.02134 [cs]*. 91 pages.
- Laura Banarescu, Claire Bonial, Shu Cai, Madalina Georgescu, Kira Griffitt, Ulf Hermjakob, Kevin Knight, Philipp Koehn, Martha Palmer, and **Nathan Schneider** (Sept. 2015). [Abstract Meaning Representation \(AMR\) 1.2.2 Specification](#). 57 pages.

Reports

- Julia Hocket, Yaguang Liu, Yifang Wei, Lisa Singh, and **Nathan Schneider** (Dec. 2018). [Detecting and using buzz from newspapers to understand patterns of movement](#). In: *Proc. of IEEE Big Data*, pp. 5336–5338. Poster presentation.
- Nathan Schneider**, Rebecca Hwa, Philip Gianfortoni, Dipanjan Das, Michael Heilman, Alan W. Black, Frederick L. Crabbe, and Noah A. Smith (July 2010). [Visualizing topical quotations over time to understand news discourse](#). Technical Report CMU-LTI-10-013. Pittsburgh, Pennsylvania: Carnegie Mellon University.

Conference Tutorials

- Omri Abend, Dotan Dvir, Daniel Hershcovich, Jakob Prange, and **Nathan Schneider** (Dec. 2020). [Cross-lingual semantic representation for NLP with UCCA](#). In: *Proc. of the 28th International Conference on Computational Linguistics: Tutorial Abstracts*. Barcelona, Spain (Online), pp. 1–9. 3 hours.
- Collin Baker, **Nathan Schneider**, Miriam R. L. Petruck, and Michael Ellsworth (June 2015). [Getting the roles right: using FrameNet in NLP](#). In: *Proc. of the 2015 Conference of the North American Chapter of the Association for Computational Linguistics: Tutorial Abstracts*. Denver, Colorado, USA, pp. 10–12. 3 hours.
- Nathan Schneider**, Jeffrey Flanigan, and Tim O’Gorman (May 2015). [The logic of AMR: practical, unified, graph-based sentence semantics for NLP](#). In: *Proc. of the 2015 Conference of the North American Chapter of the Association for Computational Linguistics: Tutorial Abstracts*. Denver, Colorado, USA, pp. 4–5. 3 hours.

Presentations with Peer-Reviewed Abstracts

Abstracts Appearing in Proceedings

The Society for Computation in Linguistics (SCiL) accepts abstracts of work that has been or will be published elsewhere:

- Aryaman Arora, Nitin Venkateswaran, and **Nathan Schneider** (Feb. 2021). [SNACS annotation of case markers and adpositions in Hindi](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 4. Online, pp. 454–458.
- Luke Gessler, Shira Wein, and **Nathan Schneider** (Feb. 2021). [Supersense and sensibility: proxy tasks for semantic annotation of prepositions](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 4. Online, pp. 464–466.
- Jakob Prange, Nathan Schneider, and Vivek Srikumar (Feb. 2021). [CCG supertagging as top-down tree generation](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 4. Online, pp. 351–354.
- Lucia Donatelli, **Nathan Schneider**, William Croft, and Michael Regan (Jan. 2019). [Tense and aspect semantics for sentential AMR](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 2. New York, NY, USA, pp. 346–348.

- Yilun Zhu, Yang Liu, Siyao Peng, Austin Blodgett, Yushi Zhao, and **Nathan Schneider** (Jan. 2019). [Adpositional supersenses for Mandarin Chinese](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 2. New York, NY, USA, pp. 334–337.
- Jena Hwang, Archana Bhatia, Na-Rae Han, Tim O’Gorman, Vivek Srikumar, and **Nathan Schneider** (Jan. 2018). [Double trouble: the problem of construal in semantic annotation of adpositions](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 1. Salt Lake City, Utah, USA, pp. 217–218.
- Bonnie Webber, Hannah Rohde, Anna Dickinson, Annie Louis, and **Nathan Schneider** (Jan. 2018). [Explicit discourse connectives / implicit discourse relations](#). In: *Proc. of the Society for Computation in Linguistics*. Vol. 1. Salt Lake City, Utah, USA, pp. 229–230.

Other Abstracts

- Emma Manning, Shira Wein, and **Nathan Schneider**. Evaluating AMR-to-English NLG Evaluation. Poster at Workshop on Evaluating NLG Evaluation at INLG 2020, Online (2020-12-18).
- Aryaman Arora and **Nathan Schneider**. SNACS annotation of case markers and adpositions in Hindi. Talk at Second Workshop on Computational Research in Linguistic Typology (SIGTYP), Online (2020-11-19).
- Hannah Rohde, Alexander Johnson, **Nathan Schneider**, and Bonnie Webber. Choosing among alternatives: Conjunction variability comes from both inference and the semantics of discourse adverbials. Talk at TextLink 2018, Toulouse, France (Mar. 2018).
- Bonnie Webber, Hannah Rohde, Anna Dickinson, Annie Louis, and **Nathan Schneider**. Hidden AND in plain sight? Implicit and explicit relations cooperate in the construction of meaning in discourse. Talk at GURT 2018: Approaches to Discourse, Georgetown University (Mar. 2018).
- Jena D. Hwang, Archana Bhatia, Na-Rae Han, Tim O’Gorman, Vivek Srikumar, and **Nathan Schneider**. Double trouble: the problem of construal in semantic annotation of adpositions. Poster at Linguistic Institute, Lexington, KY (2017-07-21).
- Jena D. Hwang, Archana Bhatia, Na-Rae Han, Tim O’Gorman, Vivek Srikumar, and **Nathan Schneider**. Coping with construals in broad-coverage semantic annotation of adpositions. Talk at AAAI Spring Symposium on Construction Grammar and NLU, Stanford, CA (Mar. 2017).
- **Nathan Schneider**. Struggling with English prepositional verbs. Talk at 13th International Cognitive Linguistics Conference, Newcastle, England (Jul. 2015).
- **Nathan Schneider**. Broad-coverage analysis of English MWEs: from annotation to sequence tagging. Poster at PARSEME 4th General Meeting, Valletta, Malta (Mar. 2015).
- Jeffrey Flanigan, Samuel Thomson, David Bamman, Jesse Dodge, Manaal Faruqui, Brendan O’Connor, **Nathan Schneider**, Swabha Swayamdipta, Chris Dyer, and Noah A. Smith. Graph-based algorithms for semantic parsing. Poster at ACL 2014 Workshop on Semantic Parsing, Baltimore, MD (2014-06-26).
- Meghana Kshirsagar, **Nathan Schneider**, and Chris Dyer. Leveraging heterogeneous data sources for relational semantic parsing. Poster at ACL 2014 Workshop on Semantic Parsing, Baltimore, MD (2014-06-26).
- **Nathan Schneider**, Chris Dyer, and Noah A. Smith. Exploiting and expanding corpus resources for frame-semantic parsing. Talk at International FrameNet Workshop, Berkeley, CA (Apr. 2013).
- **Nathan Schneider**. English morphology in construction grammar. Poster at 10th Conceptual Structure, Discourse and Language Conference, San Diego, CA (Sep. 2010).

Research Funding

External Grants Funded

BSF¹ #2016375 “Towards Universal Parsing of Predicate-Argument Relations”
2017–19 U.S. PI: Nathan Schneider (Georgetown)

Israeli PI: Omri Abend (Hebrew University of Jerusalem)

Total costs: \$150K overall, \$75K for Georgetown

NSF-BSF² #1812778 “Modeling Crosslinguistic Influences between Language Varieties”
 2018–20 PIs: Nathan Schneider (Georgetown), Yulia Tsvetkov (CMU), Noah Smith
 (University of Washington), Shuly Wintner (University of Haifa)
 Total costs: \$500K across U.S. institutions, \$166K for Georgetown

Internal Grants Funded

- GU Research Infrastructure Award (with Nazli Goharian). \$20K for hardware in CS Dept., Dec. 2017.
- GU Research Infrastructure Award (with Amir Zeldes). \$24K for cloud computing time in Linguistics Dept., Oct. 2018.
- Fritz Fellow (Tech & Society Initiative): \$45K for a CS Ph.D. student to work on NLP techniques for interpreting legal language. With Lisa Singh representing MDI; Kevin Tobia in the Law Center will also participate in the collaboration. Summer 2021–Spring 2022.

Invited Presentations

Keynotes

- 2018-08-25 LAW-MWE-CxG Workshop, Santa Fe, CA, “Leaving no token behind: comprehensive (and delicious) annotation of MWEs and supersenses”
- 2016-06-17 Workshop on Multilingual and Cross-lingual Methods in NLP, NAACL-HLT, San Diego, CA, “The Case for a Coarse-Grained Multilingual Representation of Case and Adposition Semantics”
- 2016-06-02 Workshop on Broad-Coverage Semantic Analysis, University of Amsterdam, “Semantic Abstraction at Scale: Opportunities and Challenges for NLP with the FrameNet and AMR Representations”
- 2015-06-23 Workshop on Natural Language Processing for Informal Text, Rotterdam, “Hacking a Way Through the Twitter Language Jungle: Syntactic Annotation, Tagging, and Parsing of English Tweets”
- 2014-11-19 Swedish FrameNet++ Workshop, University of Gothenburg Språkbanken Group, “Semantic Abstraction at Scale: Opportunities and Challenges for NLP with the FrameNet and AMR Representations”

Panels

- 2021-08-31 Universals of Linguistic Idiosyncrasy in Multilingual Computational Linguistics (virtual Dagstuhl seminar), “Listen to the data: comprehensive MWE annotation and emergent challenges in English UD”
- 2018-06-26 Google Assistant and Dialog Workshop, Mountain View, CA, “Can General-Purpose Linguistic Representations Help NLU/NLG?”
- 2015-06-05 LAW 2015 Panel on Syntactic Annotation of Non-canonical Language. Invited paper: “What I’ve learned about annotating informal text (and why you shouldn’t take my word for it)”

Colloquia/Seminars

¹U.S.–Israel Binational Science Foundation

²NSF CISE collaborative grant with an additional Israeli collaborator funded by BSF on a separate budget

- 2021-09-03 Penn State University (CSE/ISE NLP), “Squirrel or Skunk? NLP Models Face the Long Tail of Language”
- 2021-08-26 The Ohio State University (Clippers) (virtual), “Squirrel or Skunk? NLP Models Face the Long Tail of Language”
- 2021-05-21 Georgetown CS, “Squirrel or Skunk? NLP Models Face the Long Tail of Language”
- 2020-08-06 University of Utah NLP Group: Q&A regarding Trott et al. 2020, “(Re)construing Meaning in NLP”
- 2020-06-16 University of Colorado Boulder Linguistics (CxG Group) (virtual), “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2019-10-09 University of Washington CS, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2019-05-29 University of Edinburgh ILCC, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2019-03-04 Open University of Israel NLP lab, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2019-03-04 Bar Ilan University, “The Semantics of Grammar in Broad-Coverage Meaning Representations”
- 2019-03-03 University of Haifa, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2019-10-12 Carnegie Mellon University, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2018-07-27 Google Fillmore group (virtual), “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2018-04-13 Virginia Tech NVC CS, “The Ins and Outs of Preposition Semantics: Challenges in Comprehensive Corpus Annotation and Automatic Disambiguation”
- 2018-01-08 University of Utah CS, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2017-06-22 Army Research Lab, Adelphi, MD, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2017-02-21 JHU CLSP, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2016-12-12 University of Central Florida CS, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2016-09-21 UMD College Park CLIP Colloquium, “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”
- 2016-01-04 Bar-Ilan University, “Dealing With Off-the-Charts Polysemy in English Prepositions: Representation, Annotation, and Disambiguation”
- 2015-12-29 Hebrew University of Jerusalem, “Dealing With Off-the-Charts Polysemy in English Prepositions: Representation, Annotation, and Disambiguation”
- 2015-10-20 Saarland University FEAST series, “Dealing With Off-the-Charts Polysemy in English Prepositions: Representation, Annotation, and Disambiguation”
- 2015-04-30 University of Copenhagen Centre for Language Technology, “Bridging the Gap: Integrated Development of Linguistic Resources and Analyzers for NLP”
- 2015-04-28 Bielefeld University, “Semantic Abstraction at Scale: Opportunities and Challenges for NLP with the FrameNet and AMR Representations”
- 2015-04-27 Bielefeld University, “Bridging the Gap: Integrated Development of Linguistic Resources and Analyzers for NLP”

- 2015-02-06 Google Mountain View, “Semantic Abstraction at Scale: Opportunities and Challenges for NLP with the FrameNet and AMR Representations”
- 2014-10-24 University of Edinburgh ILCC Seminar, “Bridging the Gap: Integrated Development of Linguistic Resources and Analyzers for NLP”
- 2014-08-08 University of Toronto Computational Linguistics Meeting, “Bridging the Gap: Integrated Development of Linguistic Resources and Analyzers for NLP”
- 2014-04-24 Natural Language Processing course, CMU, “Discriminative Lexical Semantic Segmentation with Gaps: Running the MWE Gamut”
- 2014-04-02 Johns Hopkins University CLSP, “Bridging the Gap: Integrated Development of Linguistic Resources and Analyzers for NLP”
- 2013-09-04 Berkeley NLP Group, “Discriminative Lexical Semantic Segmentation with Gaps: Running the MWE Gamut”
- 2013-08-21 LTI Student Research Symposium, “Discriminative Lexical Semantic Segmentation with Gaps: Running the MWE Gamut” BEST PRESENTATION AWARD
- 2012-08-28 ISI NLP Group, “English Understanding: From Annotation to AMRs”
- 2011-10-05 CMU Qatar Computer Science, Doha, “Casting a wider ’Net: NLP for the Social Web”
- 2010-02-05 International Computer Science Institute, Berkeley, “Probabilistic Frame-Semantic Parsing”

Guest Lectures

- 2017-10-12, 2019-09-26, 2020-10-02 GU Cognitive Science seminar ICOS-710, “Computational Linguistics & Cognitive Science”
- 2020-09-23 Laura Dietz’s Machine Learning for Sequences and Text course, University of New Hampshire (virtual), “Part-of-Speech Tagging”
- 2020-07-21 Lucia Donatelli’s Meaning Representations course, Saarland University (virtual)
- 2013-10-21 Python Linguistics Group, University of Pittsburgh, “Lexical semantics with WordNet + Python”
- 2012-04-11 Soudi Abdesalam’s Introduction to Arabic Linguistics course, University of Pittsburgh, “Introduction to Computational Linguistics and Language Technologies”
- 2010-04-15 Soudi Abdesalam’s Introduction to Linguistics course, University of Pittsburgh, “Introduction to Computational Linguistics and Language Technologies”

Teaching

Georgetown University (Instructor)

- COSC/LING-272 [Algorithms for Natural Language Processing](#)
FALL 2017
Undergraduate-level survey of NLP.
- LING-485 [Cognitive Grammar](#)
SPRING 2018 (*with Lourdes Ortega*)
Cognitive-functional accounts of how grammar structures meaning.
- COSC/LING-572 [Empirical Methods in Natural Language Processing](#)
FALL 2016, SPRING 2018, SPRING 2019, SPRING 2020, SPRING 2021
Graduate-level survey of NLP focusing on statistical methods.
- COSC/LING-672 [Advanced Semantic Representation](#)

SPRING 2017, FALL 2018, FALL 2020

In-depth graduate-level exploration of representations, data, and algorithms for sentence semantics.

COSC-872 [Doctoral Seminar in NLP](#)

SPRING 2019, FALL 2021

Readings in contemporary NLP research.

Summer Schools (Instructor)

Linguistic Institute [Corpus Linguistics](#)

Lexington, KY

July 5–August 1, 2017

SUMMER 2017 (*with Amir Zeldes*)

Introduction to corpus analysis and annotation for syntax and semantics, focusing on the social media domain.

University of Edinburgh (Instructor)

INFR09028 [Foundations of Natural Language Processing](#)

SPRING 2016 (*with Sharon Goldwater*)

Survey of NLP for third-year undergraduates.

Carnegie Mellon University (Teaching Assistant)

- II-411: Natural Language Processing (SPRING 2011). Undergraduate survey of NLP.
- II-713: Advanced NLP Seminar (SPRING 2010). Readings in NLP research.

UC Berkeley (Undergraduate Assistant)

- CS C182: Neural Basis of Thought and Language (SPRING 2008). *Reader*.
- CS 61A: Structure and Interpretation of Computer Programs (SPRING 2006). *Lab Assistant*.

Advising

Georgetown thesis supervision

- Julie Hockett, CS undergraduate, “Detecting and Using Buzz from Newspapers to Understand Patterns of Movement” (2017; co-supervised with Lisa Singh)
- Emma Manning, Linguistics Ph.D., “Referenceless Evaluation of Natural Language Generation from Meaning Representations” (defended 2021-05-04)
- Austin Blodgett, Linguistics Ph.D., “Linguistic Interpretability and Composition of Abstract Meaning Representations” (defended 2021-06-22). **Dr. Blodgett is now a postdoc at the Army Research Laboratory.**
- Siyao Logan Peng, Linguistics Ph.D., “Macro-Structural Constraints in RST Dependency Parsing for English and Chinese” (proposal defended, expected graduation in 2022; co-supervised with Amir Zeldes)
- Jakob Prange, CS Ph.D., “Evaluating Design Tradeoffs in Computational Linguistic Representation” (proposal defended, expected graduation in 2022)

Georgetown Ph.D. supervision, non-thesis

- Lucia Donatelli, Spanish Linguistics, for computational linguistics research separate from her dissertation (Summer 2017–Spring 2019). **Dr. Donatelli graduated in 2019 and is now a postdoc in computational linguistics at Saarland University.**

Georgetown student thesis committee member

- Angela Yang, CS undergraduate, “A Contextual Approach to Dynamic Search and Topic Change” (2017; supervised by Grace Hui Yang)
- Arman Cohan, CS Ph.D., “Text Summarization and Categorization in Scientific and Medical Domains” (2018; supervised by Nazli Goharian)
- Jiyun Luo, CS Ph.D., “Modeling Dynamic Search and Browsing” (2018; supervised by Grace Hui Yang)
- Sean MacAvaney, CS Ph.D., “Effective and Practical Neural Ranking” (defended spring 2021; supervised by Nazli Goharian and Ophir Frieder)
- Eugene Yang, CS Ph.D., “Cost Reduction and Modeling of Technology-Assisted Review” (defended spring 2021; supervised by Ophir Frieder and Jeremy Fineman)
- Rob Churchill, CS Ph.D., “Modernizing Topic Models: Accounting for Noise, Time, Sparsity, and Domain Knowledge” (in progress; supervised by Lisa Singh)
- Janet Yang Liu, Linguistics Ph.D., title TBD (supervised by Amir Zeldes)
- Yilun Zhu, Linguistics Ph.D., title TBD (supervised by Amir Zeldes)
- Sajad Sotudeh, CS Ph.D., title TBD (supervised by Nazli Goharian)
- Luke Gessler, Linguistics Ph.D., title TBD (supervised by Amir Zeldes)

External thesis committees/reviews

- Yichu Zhou, University of Utah CS Ph.D. (proposal defense expected in fall 2021; supervised by Vivek Srikrumar)
- Rexhina Blloshmi, Sapienza University of Rome (external reviewer, fall 2021)

Georgetown student mentees

- Ph.D. advisor for: Austin Blodgett, Linguistics (2016–2021); Jakob Prange, CS (2017—); Emma Manning, Linguistics (Fall 2018—); Michael Kranzlein, CS (2018—); Bradford Salen, Linguistics (co-advisor with Lara Bryfonski, 2018—); Siyao Logan Peng, Linguistics (co-advisor with Amir Zeldes, 2019—); Shira Wein, CS (2019—); Shabnam Behzad, CS (co-advisor with Amir Zeldes, 2020—); Tatsuya Aoyama, Linguistics (2020—)
- Other graduate student research mentees: Lucia Donatelli, Yilun Zhu, Janet Yang Liu, Yue Yu, Luke Gessler, Ryan Mannion, Nitin Venkateswaran
- Undergraduate non-thesis research mentees: Joseph Ledford, CS (Spring 2017, Summer 2017); Max Kim, CS (Spring 2017); Clarissa Somers, CS and Linguistics (Spring 2018, Summer 2018); Zhuxin Ivy Wang, CS and Linguistics (Spring 2021)
- High school/undergraduate research mentee: Aryaman Arora (since Fall 2019; undergraduate from Fall 2020)
- High school summer research intern: Elijah Schulman (Summer 2017)

Student research mentees outside Georgetown

Research collaborations involving: Sean Trott, UCSD Cognitive Science Ph.D. (Trott et al., ACL 2020); Nelson Liu, Stanford CS Ph.D.; Taelin Karidi, Hebrew University of Jerusalem CS Ph.D.; Yichu Zhou, University of Utah CS Ph.D.

Edinburgh MSc thesis project supervision

- Marco Damonte, “Machine Translation with Coarse Lexical Semantics” (2015; co-supervised with Alexandra Birch)
- Nora Hollenstein, “Inconsistency Detection in Semantic Annotation” (2015; co-supervised with Bonnie Webber)

- Ye Yang, “Recognizing Annotator Behavior in Crowdsourcing” (2015; co-supervised with Bonnie Webber)
- Felisia Loukou, “Light Verb Constructions in Distributional Entailment Graphs” (2016; co-supervised with Mark Steedman and Omri Abend)
- Ida Szubert, “Methods for Automatic Alignment of Abstract Meaning Representation and Dependency Grammar” (2016; co-supervised with Adam Lopez)

Edinburgh committee member

- Liane Guillou (Edinburgh Informatics Ph.D. student 3rd year review, 2015-01-22)
- Federico Fancellu (Edinburgh Informatics Ph.D. student 1st year review, 2015-09-30)

Institutional Service

2016— Founder and organizer: **GUCL** group

Community of computational linguistics researchers in the CS and Linguistics Departments, brought together through activities such as periodic meetings, talks, tutorials, reading groups, social events, and [recommended courses](#), publicized via website and mailing list

- Inviting guest speakers for CS Colloquium, Linguistics Speaker Series, GUCL, and NERT lab: **10 speakers** in 2016–17, **14** in 2017–18, **10** in 2018–19, **7** in 2019–20
- Special events hosted on campus:
 - Kickoff meeting for NSF-BSF grant, 2018-08-31. 6 PI/grad student guests: Wintner, Tsvetkov, Smith, Ahn, Haduong, Kumar
 - Research visit by Omri Abend, collaborator from HUJI on BSF grant, 2018-9-18–21.
 - GUCL research hackathon (co-organizer: Amir Zeldes), 2019-12-11.
- Reading group participant or organizer most semesters: topics vary, e.g., NLP reading group, Semantics reading group, Deep learning reading group, Usage-based grammar reading group, History of linguistics reading group
- Brief guest presentations in courses: Linguistics graduate professional development seminar (Fall 2019), Linguistics undergraduate research seminar (Spring 2020, Spring 2021, Fall 2021)

CS Department

2016–20	Colloquium Committee
2018–19	Faculty Search Committee 2 Assistant Prof. positions
2019–20	Faculty Search Committee 2–4 Assistant/Associate Prof. positions
2020–21	Student Engagement Committee

- Recruiting/hiring adjunct faculty: Joe Garman for Spring 2020 (Intro to Deep Learning with Neural Nets)
- Reader, Ph.D. Area Exams: 1 in 2018–19, 2 in 2019–20, 3 in 2020–21, 3 in 2021–22

Linguistics Department

Service to the Linguistics Dept. is focused on supporting the MS and Ph.D. programs in Computational Linguistics (as one of two full-time faculty dedicated to these programs).

- SPRING 2018, **Computational Concentration Head**
 FALL 2018, Lead for computational course scheduling/curriculum decisions
 SPRING 2021 Member of Fellowship Committee which decides Ph.D. student TA/RA assignments and oversees graduate policy for the department
- 2020–21 Merit Review Committee
 2021–22 Merit Review Committee

University of Edinburgh

Service activities as a postdoc, 2014–16:

- Organizer: Semantic Parsing Lunch (Spring/Summer 2016)
- Organizer: ILCC Research Tutorial and Hackathon (2015-05-08)
- Organizer: Arguments and Adjuncts Reading Group (Fall 2014)
- Organizational advisor: UK Music and Informatics Workshop (2016-07-20)

CMU

Service activities as a Ph.D. student, 2008–14:

- Organizer: Linguistics Reading Group
- Co-organizer: CL+NLP Lunch Seminar, LTI Colloquium Committee, Student Activities Committee
- Volunteer: North American Computational Linguistics Olympiad and International Linguistics Olympiad

Professional Service

Significant Conference Roles

- 2019–21 **Organizing committee member: [SemEval](#)**
 A 2-year commitment. Each year overseeing 11–12 challenge competitions, review of 300+ papers, workshop event, and selection of tasks for the next year’s competition. Significant unexpected overhead when SemEval 2020 had to go virtual due to the pandemic.

- Senior area chair (overseeing 100+ reviewers/papers): ACL 2020 (with Barbara Plank)
- Area chair: COLING 2018 (with Vivek Kulkarni)
- Program co-chair: LAW-MWE-CxG 2018 Workshop
- Program co-chair: Linguistic Annotation Workshop 2017 (with Nianwen Xue)
- Co-chair: EMNLP 2017 Tutorials (with Alexandra Birch)
- Area chair: Language Resources and Evaluation, ACL 2016 (with Nianwen Xue)
- Organizer: SemEval 2016 shared task on [Detecting Minimal Semantic Units and their Meanings](#) (with Dirk Hovy, Anders Johannsen, and Marine Carpuat)

Other Conference Roles

- Leader: COLING 2020 group mentoring session for students
- Coordinator: COLING 2020 peer mentoring session for junior linguistics faculty in NLP
- Leader: ACL 2020 group mentoring session for students
- Leader: ACL 2020 “Birds of a Feather” discussion forum on the theme of Resources and Evaluation

- Faculty advisor: MASC-SLL (Mid-Atlantic Student Conference on Speech, Language and Learning) 2017 (with Mona Diab and Amir Zeldes)
- Co-organizer: [Theme session on Computational Aspects of Frames and Constructions](#) for the International Conference on Construction Grammar 2016 (with Miriam R. L. Petruck)
- Mentor: NAACL Widening NLP Workshop 2018
- Mentor: NAACL Student Research Workshop 2015
- Invited facilitator: FrameNet Workshop, September 9–13, 2013 in Berkeley.

Reviewing

- Standing reviewer for *Transactions of the ACL*; ad hoc reviewer for journals such as *Computational Linguistics* and *Language Resources and Evaluation*; action editor for ACL Rolling Review; reviewer for conferences including ACL, NAACL, EACL, EMNLP, COLING, CoNLL, ICML, AAAI, and SCiL; and various workshops.
- Funding agency review panelist: NSF CISE, 2018; BSF, 2019
- Funding agency external reviewer: Israel Science Foundation, 2017; Austrian Science Fund, 2018; NSF SBE, 2020

Boards

- Editorial board member: [Phraseology and Multiword Expressions series](#), Language Science Press, 2017—
- Advisory board member: Multilingual FrameNet project (NSF CISE Research Infrastructure, PI Collin Baker), 2016–2018

Data and Software Contributions

In addition to datasets and code released alongside publications, longstanding participation in the following:

- [Abstract Meaning Representation](#) (AMR): core design team, June 2012–Dec. 2017; creating/maintaining (with Austin Blodgett) the [AMR research bibliography](#) since July 2018
- [ACL Anthology](#): software infrastructure and publication metadata improvements
- [NLTK](#) (including the [SemCor](#) and [FrameNet](#) modules)
- [Universal Dependencies](#) (UD): guidelines and English corpus improvements
- [Zotero](#): code for importing publications from the ACL Anthology

Media & Academic Skills Advice

- Interviewed on NLP Highlights podcast episode “[PhD Application Series: Preparing Application Materials](#)” (2021-10-05).
- [L^AT_EX style guide](#) for NLP papers ([Twitter thread summary](#)) (2021-02-26).
- [Georgetown College news item](#): “First-Year Student Presented Paper at Prestigious Computational Linguistics Conference” (2020-08-27). Profile of mentored research project (Arora et al., ACL 2020).
- [Blog post](#): “Inside Ph.D. admissions: What readers look for in a Statement of Purpose” (2019-07-23).
- Interviewed for an NLP Highlights podcast [episode](#) (2018-11-13) about “Comprehensive supersense disambiguation of English prepositions and possessives” (Schneider et al., ACL 2018).
- [Washington Post article](#): “Baseball players are famous for cliches. Here are the ones they actually use.” by Bonnie Berkowitz, Manas Sharma, and Leslie Shapiro (2018-08-29). Quoted as an expert on idioms.

Other Outreach Activities

- Judging student research proposals for the ENVISION Women in STEM competition (July 2020)

- Invited talk at the DC NLP Meetup (2019-10-14), “The Ins and Outs of Preposition Semantics: Challenges of Coverage and Cross-linguistic Adequacy”

Professional Memberships

Association for Computational Linguistics