

Greg Durrett

CONTACT INFORMATION *E-mail:* gdurrett@cs.utexas.edu 2317 Speedway
Website: <http://cs.utexas.edu/~gdurrett/> University of Texas at Austin
Phone: (607) 342-8276 Austin, TX 78712 USA

POSITIONS **University of Texas at Austin**, September 2017 –
Assistant Professor

EDUCATION **University of California, Berkeley**
Ph.D. in Computer Science, August 2016
Thesis: *Identifying and Resolving Entities in Text* (Advisor: Dan Klein)

Massachusetts Institute of Technology
B.S. in Computer Science and B.S. in Mathematics, minor in Music, June 2010

PUBLICATIONS Tanya Goyal and **Greg Durrett**. 2019. Embedding time expressions for deep temporal ordering models. *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL)*.

Elisa Ferracane, **Greg Durrett**, Junyi Jessy Li, and Katrin Erk. 2019. Evaluating Discourse in Structured Text Representations. *Proceedings of the 57th Annual Meeting of the Association for Computational Linguistics (ACL)*.

Yasumasa Onoe and **Greg Durrett**. 2019. Learning to Denoise Distantly-Labeled Data for Entity Typing. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Jifan Chen and **Greg Durrett**. 2019. Understanding dataset design choices for multi-hop reasoning. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Wei-Jen Ko, **Greg Durrett**, and Junyi Jessy Li. 2019. Linguistically-Informed Specificity and Semantic Plausibility for Dialog Generation. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Aditya Gupta and **Greg Durrett**. Tracking Discrete and Continuous Entity State for Process Understanding. *NAACL 2019 Workshop on Structured Prediction for NLP (oral)*.

Wei-Jen Ko, **Greg Durrett**, and Junyi Jessy Li. 2019. Domain Agnostic Real-Valued Specificity Prediction. *Proceedings of the AAAI Conference on Artificial Intelligence*.

Jiacheng Xu and **Greg Durrett**. 2018. Spherical Latent Spaces for Stable Variational Autoencoders. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*.

David Mueller and **Greg Durrett**. 2018. Effective Use of Context in Noisy Entity Linking. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*.

Su Wang, Eric Holgate, **Greg Durrett**, and Katrin Erk. 2018. Picking Apart Story Salads. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*.

Su Wang, **Greg Durrett**, and Katrin Erk. 2018. Modeling Semantic Plausibility by Injecting World Knowledge. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Greg Durrett, Jonathan Kummerfeld, Taylor Berg-Kirkpatrick, Rebecca Portnoff, Sadia Afroz, Damon McCoy, Kirill Levchenko, and Vern Paxson. 2017. Identifying Products in Online Cyber-crime Marketplaces: A Dataset for Fine-grained Domain Adaptation. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*

Rebecca Portnoff, Sadia Afroz, **Greg Durrett**, Jonathan Kummerfeld, Taylor Berg-Kirkpatrick, Damon McCoy, Kirill Levchenko, and Vern Paxson. 2017. Tools for Automated Analysis of Cyber-criminal Markets. *Proceedings of the International World Wide Web Conference (WWW)*.

Greg Durrett, Taylor Berg-Kirkpatrick, and Dan Klein. 2016. Learning-Based Single-Document Summarization with Compression and Anaphoricity Constraints. *Proceedings of the 54th Annual Meeting of the Association for Computational Linguistics (ACL)*.

Matthew Francis-Landau, **Greg Durrett**, and Dan Klein. 2016. Capturing Semantic Similarity for Entity Linking with Convolutional Neural Networks. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Greg Durrett and Dan Klein. 2015. Neural CRF Parsing. *Proceedings of the 53rd Annual Meeting of the Association for Computational Linguistics (ACL)*.

James Ferguson, **Greg Durrett** and Dan Klein. 2015. Disfluency Detection with a Semi-Markov Model and Prosodic Features. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Greg Durrett and Dan Klein. 2014. A Joint Model for Entity Analysis: Coreference, Typing, and Linking. *Transactions of the Association for Computational Linguistics (TACL)*.

David Hall, **Greg Durrett**, and Dan Klein. 2014. Less Grammar, More Features. *Proceedings of the 52nd Annual Meeting of the Association for Computational Linguistics (ACL)*.

Greg Durrett and Dan Klein. 2013. Easy Victories and Uphill Battles in Coreference Resolution. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*
Best Paper Finalist.

Greg Durrett, David Hall, and Dan Klein. 2013. Decentralized Entity-Level Modeling for Coreference Resolution. *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL)*.

Taylor Berg-Kirkpatrick, **Greg Durrett**, and Dan Klein. 2013. Unsupervised Transcription of Historical Documents. *Proceedings of the 51st Annual Meeting of the Association for Computational Linguistics (ACL)*

Greg Durrett and John DeNero. 2013. Supervised Learning of Complete Morphological Paradigms. *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*.

Greg Durrett, Adam Pauls, and Dan Klein. 2012. Syntactic Transfer Using a Bilingual Lexicon. *Proceedings of the Conference on Empirical Methods for Natural Language Processing (EMNLP)*.

Greg Durrett and Dan Klein. 2011. An Empirical Investigation of Discounting in Cross-Domain

Language Models. *Proceedings of the 49th Annual Meeting of the Association for Computational Linguistics (ACL)*

Greg Durrett, Frank Neumann, and Una-May O'Reilly. 2011. Computational Complexity Analysis of Simple Genetic Programming On Two Problems Modeling Isolated Program Semantics. *Foundations of Genetic Algorithms*.

Greg Durrett, Muriel Médard, and Una-May O'Reilly. 2010. A Genetic Algorithm to Minimize Chromatic Entropy. *Proceedings of the European Conference on Evolutionary Computation in Combinatorial Optimization (EvoCOP)*.

GRANTS, AWARDS,
AND FELLOWSHIPS

- DARPA KAIROS Project (with Niranjan Balasubramanian (primary), Minh Hoai Nguyen, Frank Ferraro, Nate Chambers, Katrin Erk, Ray Mooney), 2019-2023
- Gift from Arm, Inc.
- NSF Medium: Towards Transparent and Effective Program Analysis for Detecting Mobile Malware (with Isil Dillig (primary), Yu Feng), 2019-2022
- Texas Health Catalyst Award, 2019
- NSF Small: Handholding Supervision for Latent Variable Models in NLP, 2018-2021
- NSF Medium: Computer-Aided Programming for Data Science (with Isil Dillig (primary), Ruben Martins), 2018-2021
- Bloomberg Data Science Research Grant, 2017-2018

- Facebook Fellowship in Natural Language Processing, 2014-2015
- Chair's Special Award for service to the EECS Department, May 2014
- Best Paper Finalist at EMNLP 2013, October 2013
- Outstanding Graduate Student Instructor Award, April 2012
- National Science Foundation Graduate Research Fellowship, April 2010
- Phi Beta Kappa, June 2010
- National Merit Scholar, June 2006
- Robert C. Byrd Scholar, June 2006

TEACHING
EXPERIENCE

CS378: Natural Language Processing (undergraduate)

Instructor, UT Austin, January 2019 – May 2019

CS388: Natural Language Processing (graduate)

Instructor, UT Austin, August 2018 – December 2018

CS395T: Structured Models for NLP

Instructor, UT Austin, August 2017 – December 2017

CS288: Statistical Natural Language Processing

Teaching Assistant, UC Berkeley, August 2014 – December 2014

CS188: Artificial Intelligence

Teaching Assistant, UC Berkeley, August 2011 – December 2011

INVITED TALKS

- Arm, March 16, 2019
- UT Random Structures Seminar, February 27, 2019
- UT Turing Scholars Talk, October 9, 2018
- Bloomberg, July 10, 2018
- Toyota Technological Institute at Chicago, June 25, 2018
- ICES Babuska Forum, UT Austin, March 2, 2018
- Berkeley AI Research Seminar, October 21, 2016

- University of Texas at Austin, April 14, 2016
- University of California, Irvine, March 16, 2016
- New York University, March 9, 2016
- Carnegie Mellon University, March 7, 2016
- Princeton University, March 1, 2016
- University of California, San Diego, February 22, 2016
- Google New York (NLP group), February 8, 2016
- Microsoft Research, February 4, 2016
- ICSI Berkeley, November 25, 2014
- Facebook HQ, November 20, 2014
- Google Mountain View (SAFT group), February 27, 2014

PROFESSIONAL
SERVICE

- Faculty Advisor for the NAACL 2019 Student Research Workshop
- Area Chair for CoNLL 2019
- Session Chair for the Discourse and Coreference session at ACL 2015
- Program Committee member (reviewer): NeurIPS 2019, ACL 2019, ICML 2019, IEEE Security and Privacy 2019 (ad-hoc), NAACL 2019, EMNLP 2018, ACL 2018, ICML 2018, GenDeep 2018, NAACL 2018, AAAI 2018, EMNLP 2017, New Frontiers in Summarization 2017, CoNLL 2017, ACL 2017, ACL 2017 Demo, EMNLP 2016, COLING 2016, CoNLL 2016, ACL 2016, NAACL 2016, EMNLP 2015, ACL 2015, NAACL 2015, EMNLP 2014, ACL 2014, STAR-SEM 2014, EMNLP 2013
- Best reviewer award for EMNLP 2018 (top 7% / top 100 reviewers), ACL 2018, NAACL 2015 (top 25% of reviewers)
- Regular reviewer for TACL since 2014 (>20 papers reviewed)
- Regular reviewer for CL since 2018

DEPARTMENTAL
SERVICE

- Graduate course requirements committee member, 2017-2018
- Coordinator for the UT Austin AI retreat, Fall 2017
- Admissions Committee member, UT Austin, 2016-2017, 2017-2018, 2018-2019
- Student coordinator for the 2014 UC Berkeley Computer Science Graduate Visit Weekend

INDUSTRY
EXPERIENCE

Semantic Machines, Berkeley, CA
Senior Research Scientist, June 2016 – June 2017

Google, Mountain View, CA
Software Engineering Intern–Research, May 2012 – August 2012

Charles River Analytics, Cambridge, MA
Software Engineering Intern, June 2008 – August 2008

ATC–NY, Ithaca, NY
Intern, June 2007 – August 2007

ADDITIONAL
ACADEMIC
POSITIONS

Evolutionary Design and Optimization Group at MIT
Undergraduate Researcher, February 2009 – May 2009, September 2009 – July 2010

University of Bordeaux I
Undergraduate Researcher, June 2009 – August 2009

InfoLab Group at MIT
Undergraduate Researcher, January 2008 – May 2008