

Daniel Fried

Contact Information	dfried@cs.berkeley.edu www.cs.berkeley.edu/~dfried	
Education	UC Berkeley Ph.D. in Computer Science Adviser: Dan Klein	2015 – present
	University of Cambridge , Churchill College M.Phil. in Computer Science, <i>with distinction</i> Adviser: Stephen Clark Thesis: <i>Low rank tensor approximations for compositional distributional semantics</i>	2014 – 2015
	University of Arizona B.S. in Computer Science, Mathematics, and Information Science, <i>summa cum laude</i> Adviser: Mihai Surdeanu Thesis: <i>Predicting community traits using the language of food on social media</i>	2010 – 2014
Work Experience	Research Intern , Google DeepMind Research Intern , Microsoft Research Research Assistant , University of Arizona Research Intern , Nara Institute of Science and Technology Research Intern , RWTH Aachen University Engineering Intern , Microsoft	Summer 2019 Summer 2016 2012 – 2014 Fall 2013 Summer 2013 Summer 2012
Honors & Awards	Google Ph.D. Fellowship in Natural Language Processing Outstanding Graduate Student Instructor, UC Berkeley Tencent AI Lab Fellowship Huawei & Berkeley AI Fellowship Best M.Phil. Student Award, Cambridge Computer Laboratory Churchill Scholarship NDSEG Fellowship Finalist, Hertz Graduate Fellowship Outstanding Senior Award in Research, U. Arizona College of Science Outstanding Senior Award in Academics, U. Arizona Computer Science Outstanding Senior Award in Academics, U. Arizona Information Science Pillars of Excellence Award, U. Arizona Honors College Barry M. Goldwater Scholarship National Merit Scholar Flinn Scholarship, Flinn Foundation of Arizona Presidential Scholar, U.S. Department of Education	2019 – Present 2018 2018 – 2019 2017 – 2018 2015 2014 – 2015 2014 2014 2014 2014 2014 2014 2013 2010 – 2014 2010 – 2014 2010
Publications	19. Syntactic Structure Distillation Pretraining for Bidirectional Encoders Adhiguna Kuncoro*, Lingpeng Kong*, Daniel Fried, Dani Yogatama, Laura Rimell, Chris Dyer, and Phil Blunsom <i>Transactions of the Association for Computational Linguistics (TACL)</i> , 2020	
	18. Learning to Segment Actions from Observation and Narration Daniel Fried, Jean-Baptiste Alayrac, Phil Blunsom, Chris Dyer, Stephen Clark, and Aida Nematzadeh <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2020	
	17. Cross-Domain Generalization of Neural Constituency Parsers Daniel Fried*, Nikita Kitaev*, and Dan Klein <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2019	
	16. Are You Looking? Grounding to Multiple Modalities in Vision-and-Language Navigation Ronghang Hu, Daniel Fried, Anna Rohrbach, Dan Klein, Trevor Darrell, and Kate Saenko <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2019	

15. **Pragmatically Informative Text Generation**
Sheng Shen, Daniel Fried, Jacob Andreas, and Dan Klein
North American Chapter of the Association for Computational Linguistics (NAACL), 2019
14. **Speaker-Follower Models for Vision-and-Language Navigation**
Daniel Fried*, Ronghang Hu*, Volkan Cirik*, Anna Rohrbach, Jacob Andreas,
Louis-Philippe Morency, Taylor Berg-Kirkpatrick, Kate Saenko, Dan Klein**, and Trevor Darrell**
Neural Information Processing Systems (NeurIPS), 2018
13. **Policy Gradient as a Proxy for Dynamic Oracles in Constituency Parsing**
Daniel Fried and Dan Klein
Annual Meeting of the Association for Computational Linguistics (ACL), 2018
12. **Unified Pragmatic Models for Generating and Following Instructions**
Daniel Fried, Jacob Andreas, and Dan Klein
North American Chapter of the Association for Computational Linguistics (NAACL), 2018
11. **Effective Inference for Generative Neural Parsing**
Mitchell Stern, Daniel Fried, and Dan Klein
Empirical Methods in Natural Language Processing (EMNLP), 2017
10. **Improving Neural Parsing by Disentangling Model Combination and Reranking Effects**
Daniel Fried*, Mitchell Stern*, and Dan Klein
Annual Meeting of the Association for Computational Linguistics (ACL), 2017
9. **Towards Using Social Media to Identify Individuals at Risk for Preventable Chronic Illness**
Dane Bell, Daniel Fried, Luwen Huangfu, Mihai Surdeanu, and Stephen Kobourov
Language Resources and Evaluation Conference (LREC), 2016
8. **Low-Rank Tensors for Verbs in Compositional Distributional Semantics**
Daniel Fried, Tamara Polajnar, and Stephen Clark
Annual Meeting of the Association for Computational Linguistics (ACL), 2015
7. **Higher-Order Lexical Semantic Models for Non-Factoid Answer Reranking**
Daniel Fried, Peter Jansen, Gustave Hahn-Powell, Mihai Surdeanu, and Peter Clark
Transactions of the Association for Computational Linguistics (TACL), 2015
6. **Incorporating both Distributional and Relational Semantics in Word Representations**
Daniel Fried and Kevin Duh
International Conference on Learning Representations (ICLR) Workshop, 2015
5. **Analyzing the Language of Food on Social Media**
Daniel Fried, Mihai Surdeanu, Stephen Kobourov, Melanie Hingle, and Dane Bell
International Conference on Big Data, 2014
4. **Maps of Computer Science**
Daniel Fried and Stephen Kobourov
Pacific Visualization Symposium (PacificVis), 2014
3. **Predicting Parallelization of Sequential Programs Using Supervised Learning**
Daniel Fried, Zhen Li, Ali Jannesari, and Felix Wolf
International Conference on Machine Learning and Applications, 2013
2. **A Generative Probabilistic Framework for Learning Spatial Language**
Colin Dawson, Jeremy Wright, Antons Rebguns, Marco Valenzuela Escárcega, Daniel Fried, and Paul Cohen
International Conference on Development and Learning, 2013. **Best Paper Award**
1. **Bayesian Geometric Modeling of Indoor Scenes**
Luca Del Pero, Joshua Bowdish, Daniel Fried, Bonnie Kermgard, Emily Hartley, and Kobus Barnard
Conference on Computer Vision and Pattern Recognition (CVPR), 2012

*, **: equal contribution

**Teaching
Experience**

Instructor:

CS188: Artificial Intelligence, UC Berkeley, Summer 2018

Teaching Assistant:

CS188: Artificial Intelligence, UC Berkeley, Fall 2017

CS245: Intro to Discrete Structures, University of Arizona, Spring 2012

ISTA100: Great Ideas of the Information Age, University of Arizona, Fall 2011

Guest Lecturer:

Grounded Semantics in CS288: Natural Language Processing, UC Berkeley, Spring 2020

**Invited
Talks**

Stanford NLP Seminar, Spring 2019

University of Arizona, Fall 2018

USC Information Sciences Institute, Fall 2018

Service

Program committee (reviewer): ACL 2018–2020; EMNLP 2016–2020; NAACL 2019; ACL-IJCNLP 2020; NeurIPS 2019–2020; ICML 2019; EACL 2017; COLING 2018; *SEM 2016–2018; NAACL-SRW 2016, 2018, 2020; IJCAI 2016; SpLU-RoboNLP 2019; NeuralGen 2019; ViGIL 2019; DeepLo 2019; ALVR 2020, LaReL 2020

Reviewer awards: ACL 2020, NeurIPS 2019, ACL 2018

EECS Peer Advisor, UC Berkeley, 2019–2020

Treasurer, CS Graduate Student Association, UC Berkeley, 2016–2018

Student Ambassador, College of Science, University of Arizona, 2011–2014

Vice President, Association for Computing Machinery, University of Arizona, Fall 2011