

# Daniel Fried

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<b>Contact Information</b>	dfried@cs.berkeley.edu www.cs.berkeley.edu/~dfried	
<b>Education</b>	<b>UC Berkeley</b> Ph.D. in Computer Science Adviser: Dan Klein	2015 – present
	<b>University of Cambridge</b> , 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
	<b>University of Arizona</b> 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
<b>Experience</b>	<b>Research Intern</b> , Microsoft Research (NLP Group) <b>Research Assistant</b> , University of Arizona <b>Research Intern</b> , Nara Institute of Science and Technology <b>Research Intern</b> , RWTH Aachen University <b>Engineering Intern</b> , Microsoft	Summer 2016 2012 – 2014 Fall 2013 Summer 2013 Summer 2012
<b>Honors</b>	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 Summer Research Fellowship, RWTH Aachen Galileo Scholarship, U. Arizona College of Science National Merit Scholar Flinn Scholarship, Flinn Foundation of Arizona Presidential Scholar, U.S. Department of Education	2018 – 2019 2017 – 2018 2015 2014 – 2015 2014 2014 2014 2014 2014 2014 2013 2013 2013 – 2014 2010 – 2014 2010 – 2014 2010
<b>Publications</b>	<b>Policy gradient as a proxy for dynamic oracles in constituency parsing</b> Daniel Fried and Dan Klein <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2018	
	<b>Unified pragmatic models for generating and following instructions</b> Daniel Fried, Jacob Andreas and Dan Klein <i>North American Chapter of the Association for Computational Linguistics (NAACL)</i> , 2018	
	<b>Effective inference for generative neural parsing</b> Mitchell Stern, Daniel Fried and Dan Klein <i>Empirical Methods in Natural Language Processing (EMNLP)</i> , 2017	
	<b>Improving neural parsing by disentangling model combination and reranking effects</b> Daniel Fried*, Mitchell Stern* and Dan Klein <i>Annual Meeting of the Association for Computational Linguistics (ACL)</i> , 2017 *: equal contribution	

**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

**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

**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

**Incorporating both distributional and relational semantics in word representations**

Daniel Fried and Kevin Duh  
*International Conference on Learning Representations (ICLR) Workshop*, 2015

**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

**Maps of computer science**

Daniel Fried and Stephen Kobourov  
*Pacific Visualization Symposium (PacificVis)*, 2014

**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

**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**

**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

<b>Teaching</b>	<b>Co-Instructor</b>	Artificial Intelligence, UC Berkeley	Summer 2018
	<b>Teaching Assistant</b>	Artificial Intelligence, UC Berkeley	Fall 2017
	<b>Teaching Assistant</b>	Intro to Discrete Structures, U. of Arizona	Spring 2012
	<b>Teaching Assistant</b>	Great Ideas of the Information Age, U. of Arizona	Fall 2011
<b>Service</b>	<b>Reviewer</b>	ACL, EMNLP, EACL, *SEM, COLING, IJCAI	
	<b>Treasurer</b>	CS Graduate Student Association, UC Berkeley	2016 – 2018
	<b>Student Ambassador</b>	College of Science, U. of Arizona	2011 – 2014
	<b>Vice President</b>	Association for Computing Machinery, U. of Arizona	Fall 2011