

# Daniel Fried

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**Contact Information** dfried@cs.berkeley.edu  
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**Education** **UC Berkeley** 2015 – present  
Ph.D. in Computer Science  
Adviser: Dan Klein

**University of Cambridge, Churchill College** 2014 – 2015  
M.Phil. in Computer Science, *with distinction*  
Adviser: Stephen Clark  
Thesis: *Low rank tensor approximations for compositional distributional semantics*

**University of Arizona** 2010 – 2014  
B.S. in Computer Science, Mathematics, and Information Science, *summa cum laude*  
Adviser: Mihai Surdeanu  
Thesis: *Predicting community traits using the language of food on social media*

**Experience** **Research Intern**, Microsoft Research (NLP Group) Summer 2016  
**Research Assistant**, University of Arizona 2012 – 2014  
**Research Intern**, Nara Institute of Science and Technology Fall 2013  
**Research Intern**, RWTH Aachen University Summer 2013  
**Engineering Intern**, Microsoft Summer 2012

**Honors** Huawei & Berkeley AI Fellowship 2017 – 2018  
Best M.Phil. Student Award, Cambridge Computer Laboratory 2015  
Churchill Scholarship 2014 – 2015  
NDSEG Fellowship 2014  
Finalist, Hertz Graduate Fellowship 2014  
Outstanding Senior Award in Research, U. Arizona College of Science 2014  
Outstanding Senior Award in Academics, U. Arizona Computer Science 2014  
Outstanding Senior Award in Academics, U. Arizona Information Science 2014  
Pillars of Excellence Award, U. Arizona Honors College 2014  
Barry M. Goldwater Scholarship 2013  
Summer Research Fellowship, RWTH Aachen 2013  
Galileo Scholarship, U. Arizona College of Science 2013 – 2014  
National Merit Scholar 2010 – 2014  
Flinn Scholarship, Flinn Foundation of Arizona 2010 – 2014  
Presidential Scholar, U.S. Department of Education 2010

**Publications** **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

**Effective inference for generative neural parsing**  
Mitchell Stern, Daniel Fried and Dan Klein  
*Empirical Methods in Natural Language Processing (EMNLP)*, 2017

**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  
\*: 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

**Service & Teaching**

<b>Reviewer</b>	EMNLP, EACL, *SEM, IJCAI	
<b>Teaching Assistant</b>	Artificial Intelligence, UC Berkeley	Fall 2017
<b>Treasurer</b>	CS Graduate Student Association, UC Berkeley	2016 – 2018
<b>Student Ambassador</b>	College of Science, U. of Arizona	2011 – 2014
<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>Vice President</b>	Association for Computing Machinery, U. of Arizona	Fall 2011