

Daniel Fried

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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 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 **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

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

*: equal contribution

Service & Teaching

Reviewer	EMNLP, EACL, *SEM, IJCAI	
Treasurer	CS Graduate Student Association, UC Berkeley	2016 – 2017
Student Ambassador	College of Science, U. of Arizona	2011 – 2014
Teaching Assistant	Intro to Discrete Structures, U. of Arizona	Spring 2012
Teaching Assistant	Great Ideas of the Information Age, U. of Arizona	Fall 2011
Vice President	Association for Computing Machinery, U. of Arizona	Fall 2011