Jon Gauthier

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www.foldl.me Stanford, CA 94309

Work Experience

2016 **Research Intern** **OpenAI** San Francisco, CA
Research in models of memory and computation for natural language understanding.

2015 **Research Intern** **Google Brain** Mountain View, CA
Research in neural networks for machine learning, advised by Ilya Sutskever and Oriol Vinyals. Focus on non-differentiable function approximation and reinforcement learning.

2014– **Research Assistant** **Stanford Natural Language Processing Group** Stanford, CA
Supervised by Dr. Christopher Manning. Research focus on deep learning for NLP and multilingual NLP.

Technologies: *Stanford CoreNLP, Theano, NumPy, SciPy, scikit-learn*

2012–2013 **Software Development Engineer** **Stremor Corp.** Phoenix, AZ
Architected, programmed and managed systems for natural language processing (content extraction, automatic summarization, natural language understanding).

Technologies: *Google App Engine, NLTK, lxml, Cordova, Android, iOS, jQuery*

Education

2013– **Stanford University** Stanford, CA
GPA: 4.1

- Majoring in Symbolic Systems (cognitive science program)
- Officer of Stanford Symbolic Systems and Cognitive Science Society

Past courses: *CS 224N (NLP), CS 224U (NLU), CS 229 (ML), CS 231N (convnets for CV), teaching assistant for CS 124 (intro NLP), LINGUIST 240 (language acquisition)*
Current courses: *CS 228 (probabilistic graphical models)*

2009–2013 **Desert Vista High School** Phoenix, AZ
Class rank: 1 of 710; GPA: 4.0

- President and founder of Computer Science Club (weekly lectures, activities)
- Taught a second-year computer science class (AP Comp Sci A)
- Independent study in functional programming, NLP

Awards

2014 **President's Award for Academic Excellence in the Freshman Year**
Awarded by faculty nomination to members of the top 3% (~60 students) of the freshman class at Stanford University.

2013 **National Merit Scholar**

2013 **AP Scholar with Honor**

Writing

2016 A fast unified model for parsing and sentence understanding. Sam Bowman*, Jon Gauthier*, Raghav Gupta, Abhinav Rastogi, Christopher D. Manning, Christopher Potts. ACL 2016, Berlin.

2015 Conditional generative adversarial nets for convolutional face generation. Jon Gauthier. Stanford CS 231N class project.
Deep neural networks for bilingual lexicon extraction. Jon Gauthier, Arthur Tsang, & Christopher Potts. Submitted to EMNLP 2015.

2014 Exploiting long-distance context in transition-based dependency parsing with recurrent neural networks. Jon Gauthier, Danqi Chen, & Christopher D. Manning. Preprint.

2012– **Personal blog: foldl.me**
I publish tutorials and explorations in computational linguistics, functional programming, economics, and more.

References furnished upon request.

* Equal contribution.