

# Jon Gauthier

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www.foldl.me Stanford, CA 94309

## Work Experience

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- 2016 **Research Intern** *OpenAI* San Francisco, CA  
Research in computational models of natural language dialogue and language acquisition.  
Developed the group's long-term strategy for natural language processing research.
- 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.
- 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).

## Education

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- 2013– **Stanford University** Stanford, CA  
GPA: 4.06 (4.0 = A)
  - Majoring in Symbolic Systems (cognitive science program)
  - Course focus in computer science, linguistics, psychology, and neuroscience (including graduate-level classes in all of these areas)
  - Officer in Stanford Symbolic Systems Society (student cognitive science organization)
  - Volunteer TA in CS 124 (introductory NLP class)
- 2009–2013 **Desert Vista High School** Phoenix, AZ  
Class rank: 1 of 710; GPA: 4.0
  - President and founder of Computer Science Club (organized/gave weekly lectures)
  - Independently taught a second-year computer science class (AP Comp Sci A)
  - Independent study in functional programming, NLP

## Awards

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2016 **Phi Beta Kappa**

Awarded to several Stanford juniors who have demonstrated academic achievement in each of 3 areas: humanities, engineering, and the social sciences.

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

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- 2016 [A paradigm for situated and goal-driven language learning](#). **Jon Gauthier**, Igor Mordatch. NIPS 2016 Workshop on Machine Intelligence.  
(Tutorial blog post: [Situated language learning](#))

[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.  
(Tutorial blog post: [Hybrid tree-sequence neural networks with SPINN](#))

- 2015 [Conditional generative adversarial nets for convolutional face generation](#). **Jon Gauthier**. Technical report.  
(Tutorial blog post: [Conditional generative adversarial nets for face generation](#))  
[Deep neural networks for bilingual lexicon extraction](#). **Jon Gauthier**, Arthur Tsang, & Christopher Potts. Preprint.

- 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](http://foldl.me)

I publish tutorials and explorations in computational linguistics, functional programming, economics, and more.

\* Equal contribution.

References furnished upon request.