

**Alane Suhr**  
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## Education

**Cornell University**  
PhD in Computer Science  
Advisor: Yoav Artzi

Autumn 2016–present  
New York, NY, USA

**Ohio State University**  
Honors BS in Computer Science & Engineering; Minor in Linguistics

Autumn 2012–Spring 2016  
Columbus, OH, USA

## Research Positions

**Cornell University**  
Spring 2017–present

Research on natural language understanding in context. Curation of datasets for challenging language grounding problems, such as visual reasoning. Neural models and learning algorithms for language understanding in multi-turn interactions.

**Graduate Research Assistant**  
Advisor: Yoav Artzi

**Ohio State University**  
Autumn 2015–Autumn 2016

Automatic detection of inconsistencies in the Universal Dependencies corpus.

**Undergraduate Research Assistant**  
Advisor: Marie-Catherine de Marneffe

## Awards and Honors

National Science Foundation Graduate Research Fellowship  
Outstanding TA Award  
Outstanding Paper (NAACL 2018)  
AI2 Key Scientific Challenges Award  
ParIAI Research Award  
Best Resource Paper (ACL 2017)  
AWS Cloud Credits for Research  
Microsoft Research Women’s Fellowship  
Eminence Fellowship (Ohio State University)

Spring 2018–present  
Spring 2018  
Spring 2018  
Autumn 2017  
Autumn 2017  
Summer 2017  
Spring 2017  
Spring 2017  
Autumn 2012–Spring 2016

## Publications

Alane Suhr, Mike Lewis, James Yeh, and Yoav Artzi. Evaluating visual reasoning through grounded language understanding. In *AI Magazine*, 2018.

Alane Suhr and Yoav Artzi. Situated mapping of sequential instructions to actions with single-step reward observation. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*, 2018.

Alane Suhr, Srinivasan Iyer, and Yoav Artzi. Learning to map context-dependent sentences to executable formal queries. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics: Human Language Technologies (NAACL-HLT)*, 2018. **Outstanding Paper Award.**

Stephanie Zhou\*, Alane Suhr\*, and Yoav Artzi. Visual reasoning with natural language. In *AAAI Symposium on Natural Communication for Human-Robot Collaboration*, 2017.

Alane Suhr, Mike Lewis, James Yeh, and Yoav Artzi. A corpus of natural language for visual reasoning. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics (ACL)*, 2017. **Best Resource Paper Award.**

\*Equal contribution

## Tutorials

Matt Gardner, Pradeep Dasigi, Srinivasan Iyer, [Alane Suhr](#), and Luke Zettlemoyer. Neural semantic parsing. Presented at the *Annual Meeting of the Association for Computational Linguistics (ACL)*, 2018.

## Datasets

### Natural Language for Visual Reasoning (NLVR)

Dataset for studying language grounding and visual reasoning.

[lic.nlp.cornell.edu/nlvr/](http://lic.nlp.cornell.edu/nlvr/)  
Suhr et al. 2017 (ACL)

## Software Engineering Experience

### Google

Summer 2015

Summer 2014

### Kosada

Summer 2013

Summer 2012

### Software Engineering Intern

Team: AdWords Express

Team: Google Shopping

### Software Development Intern

Project: Vuo

Project: Timestream

## Teaching and Mentoring Experience

### Cornell University

Autumn 2016

Spring 2018

### Graduate Teaching Assistant

Foundations of Artificial Intelligence – CS 4700

Natural Language Processing – CS 5740

### Technion↔Cornell Tech Internship Program

Summer 2018–present

### Internship Supervisor

### NSF Research Experiences for Undergraduates

Summer 2018

### Internship Supervisor

### Women in Technology New York

Summer 2017–Spring 2018

### Internship Supervisor

### Columbus North International School

Autumn 2014–Spring 2016

### Robotics Club Co-Organizer/Instructor

## Professional Service

Reviewer	COLING	2018
Reviewer	ACL	2018
Reviewer	ACL Student Research Workshop	2018
Reviewer	Workshop on New Forms of Generalization in Deep Learning and Natural Language Processing (collocated with NAACL-HLT 2018)	2018
Reviewer	AAAI	2017
Reviewer	EMNLP	2017, 2018

## Skills

**Languages.** Regular use: Python. Less recent use: C/C++, C#, Java, JavaScript, SQL, x86 assembly.

**Machine Learning and NLP Tools.** Regular use: DyNet, PyTorch. Less recent use: TensorFlow, Matlab.

**Other Development.** Regular use:  $\LaTeX$ , git, vim. Less recent use: HTML/CSS, Unity, EC2.