

KENTON LEE

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RESEARCH INTERESTS

Natural Language Understanding
Machine Learning
Deep Learning

EDUCATION

University of Washington, December 2017 (Expected)
Computer Science and Engineering, Seattle, WA
PhD in Computer Science (3.87/4 GPA)
Advisor: Luke Zettlemoyer

University of Washington, December 2015
Computer Science and Engineering, Seattle, WA
MSc in Computer Science (3.90/4 GPA)
Advisor: Luke Zettlemoyer

University of Pennsylvania, May 2013
School of Engineering and Applied Science, Philadelphia, PA
Bachelor of Science in Engineering (Summa Cum Laude)
Majors: Computer Science, Psychology (3.84/4 GPA)

AWARDS

EMNLP 2016 Best Paper Award. *Global Neural CCG Parsing with Optimality Guarantees*
EMNLP 2015 Best Paper Award. *Broad-coverage CCG Semantic Parsing with AMR*

INTERNSHIPS

Google Research, Summer 2015
Grounded Semantic Parsing via Distant Supervision (hosted by Oscar Täckström)

Google Research, Summer 2016
Learning Recurrent Span Representations for Extractive Question Answering (hosted by Tom Kwiatkowski)

PUBLICATIONS

End-to-end Neural Coreference Resolution (in submission to EMNLP, 2017)
Kenton Lee, Luheng He, Mike Lewis, Luke Zettlemoyer

Learning Recurrent Span Representations for Extractive Question Answering (in submission to EMNLP, 2017)
Kenton Lee, Tom Kwiatkowski, Ankur Parikh, Dipanjan Das

Deep Semantic Role Labeling: What Works and What's Next
Luheng He, **Kenton Lee**, Mike Lewis, Luke Zettlemoyer
In *Proceedings of the Association for Computational Linguistic (ACL)*, 2017

Global Neural CCG Parsing with Optimality Guarantees (Best paper)
Kenton Lee, Mike Lewis, Luke Zettlemoyer
In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2016

LSTM CCG Parsing

Mike Lewis, **Kenton Lee**, Luke Zettlemoyer

In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics (NAACL)*, 2016

Broad-coverage CCG Semantic Parsing with AMR (Best paper)

Yoav Artzi, **Kenton Lee**, Luke Zettlemoyer

In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2015

Event Detection and Factuality Assessment with Non-Expert Supervision (Short paper)

Kenton Lee, Yoav Artzi, Yejin Choi, Luke Zettlemoyer

In *Proceedings of the Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 2015

Programming by Demonstration with Situated Semantic Parsing (Extended abstract)

Yoav Artzi, Maxwell Forbes, **Kenton Lee**, Maya Cakmak

In *Artificial Intelligence and Human-Robot Interaction AAAI Fall Symposium*, 2014

Context-dependent Semantic Parsing for Time Expressions

Kenton Lee, Yoav Artzi, Jesse Dodge, Luke Zettlemoyer

In *Proceedings of the Association for Computational Linguistic (ACL)*, 2014

Sorry Dave, I'm Afraid I Can't Do That: Explaining Unachievable Robot Tasks Using Natural Language

Vasumathi Raman, Constantine Lignos, Cameron Finucane, **Kenton Lee**, Mitch Marcus, Hadas Kress-Gazit

In *Robotics: Science and Systems (RSS)*, 2013

Legibility and Predictability of Robot Motion

Anca D. Dragan, **Kenton Lee**, Siddhartha S. Srinivasa

In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2013

Legible User Input for Intent Prediction (Late-breaking report)

Kenton Lee, Anca D. Dragan, Siddhartha S. Srinivasa

In *ACM/IEEE International Conference on Human-Robot Interaction (HRI)*, 2013

Teleoperation with Intelligent and Customizable Interfaces

Anca D. Dragan, **Kenton Lee**, Siddhartha S. Srinivasa

In *Journal of Human-Robot Interaction (JHRI)*, 2012

SOFTWARE

NeuralCCG - CCG syntactic parser using recursive neural networks

Code: <https://github.com/kentonl/neuralccg>

UWTime - Temporal semantic parser for detecting and resolving time expressions

Demo and code: <http://lil.cs.washington.edu/uwtime>

PROFESSIONAL SERVICE

Reviewer for ACL, EMNLP, NAACL, EAACL, HRI, IROS