

Hao Peng

CONTACT INFORMATION	Paul G. Allen School, University of Washington 185 Stevens Way Seattle, WA 98195, USA	hapeng@cs.washington.edu https://homes.cs.washington.edu/~hapeng/
EDUCATION	University of Washington, Seattle, WA Ph.D. in Computer Science and Engineering <i>Advisor: Noah A. Smith</i>	2016 - present
	University of Washington, Seattle, WA M.S. in Computer Science and Engineering <i>Advisor: Noah A. Smith</i>	2016 - 2018
	Peking Univeristy, Beijing, China B.S. in Computer Science, <i>Summa Cum Laude</i>	2012 - 2016
RESEARCH INTERESTS	Natural Language Processing, Computational Linguistics, Machine Learning	
RESEARCH EXPERIENCE	Research Assistant with Noah A. Smith University of Washington, Seattle, USA	09/2016 - present
	Research Intern with Dipanjan Das Google Seattle, USA	10/2018 - 12/2018
	Research Intern with Dipanjan Das Google New York, USA	06/2018 - 09/2018
	Research Intern with Chin-Yew Lin Microsoft Research Asia, Beijing, China	10/2015 - 06/2016
	Research Asistant with Charles Sutton University of Edinburgh, Edinburgh, UK	07/2015 - 09/2015
	Research Assistant with Zhi Jin Peking University, Beijing, China	07/2014 - 06/2015
TEACHING EXPERIENCE	Teaching Assistant at EECS, Peking University Introduction to Computer System Introduction to Computer System	Fall 2015 Fall 2014
PUBLICATIONS	Hao Peng , Roy Schwartz, and Noah A. Smith. PaLM: A Hybrid Parser and Language Model. In <i>Proceedings of the Conference on Empirical Methods in Natural Language Processing</i> , 2019.	
	Jesse Dodge, Roy Schwartz, Hao Peng , and Noah A. Smith. RNN Architecture Learning with Sparse Regularization. In <i>Proceedings of the Conference on Empirical Methods in Natural Language Processing</i> , 2019.	

Hao Peng, Ankur P. Parikh, Manaal Faruqui, Bhuwan Dhingra, and Dipanjan Das. Text Generation with Exemplar-based Adaptive Decoding. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics*, 2019.

Hao Peng, Roy Schwartz, Sam Thomson, and Noah A. Smith. Rational Recurrences. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2018.

Hao Peng, Sam Thomson, and Noah A. Smith. Backpropagating through Structured Argmax using a SPIGOT. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2018. **Honorable Mention for Best Paper Award**.

Hao Peng, Sam Thomson, Swabha Swayamdipta, and Noah A. Smith. Learning Joint Semantic Parsers from Disjoint Data. In *Proceedings of the Conference of the North American Chapter of the Association for Computational Linguistics*, 2018.

Chenhao Tan, **Hao Peng**, and Noah A. Smith. “You are no Jack Kennedy”: On Media Selection of Highlights from Presidential Debates. In *Proceedings of the International World Wide Web Conference*, 2018.

Hao Peng, Sam Thomson, and Noah A. Smith. Deep Multitask Learning for Semantic Dependency Parsing. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2017.

Hao Peng, Jing Liu, and Chin-Yew Lin. News Citation Recommendation with Implicit and Explicit Semantics. In *Proceedings of the Annual Meeting of the Association for Computational Linguistics*, 2016.

Miltiadis Allamanis, **Hao Peng**, and Charles Sutton. A Convolutional Attention Network for Extreme Summarization of Source Code. In *Proceedings of the International Conference on Machine Learning*, 2016.

Hao Peng¹, Lili Mou¹, Ge Li, Yan Xu, Lu Zhang, and Zhi Jin. Discriminative Neural Sentence Modeling by Tree-based Convolution. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2015. ¹ = equal contribution.

Hao Peng¹, Lili Mou¹, Ge Li, Yunchuan Chen, Yangyang Lu, and Zhi Jin. A Comparative Study on Regularization Strategies for Embedding-based Neural Networks. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2015. ¹ = equal contribution.

Yan Xu, Lili Mou, Ge Li, Yunchuan Chen, **Hao Peng**, and Zhi Jin. Classifying Relations via Long Short Term Memory Networks along Shortest Dependency Paths. In *Proceedings of the Conference on Empirical Methods in Natural Language Processing*, 2015.

Hao Peng, Lili Mou, Ge Li, Yuxuan Liu, Lu Zhang, and Zhi Jin. Building Program Vector Representations for Deep Learning. In *Proceedings of International Conference on Knowledge Science, Engineering and Management*, 2015.

HONORS AND AWARDS

Google Ph.D. Fellowship, 2019

Honorable Mention for Best Paper at ACL, 2018

Jeff Dean - Heidi Hopper Endowed Regental Fellowship, University of Washington, 2016

Research Excellence Award, Peking University, 2015

Foundation Fellowship, Peking University, 2015

May the Fourth Fellowship, Peking University, 2014

**PROFESSIONAL
SERVICE**

Program committee member/reviewer: EMNLP 2019, CoNLL 2019, NeurIPS 2019, ACL 2019, ICML 2019, ICLR 2019, ACL 2018, EMNLP 2018, NeurIPS 2018, EACL 2017, ACL 2016, KDD 2016

SKILLS

Programming Languages: C/C++, Python, \LaTeX

Maths & Statistical Package: DyNet, Theano, TensorFlow, PyTorch

Music: Violin