

Wang, Dingquan

CONTACT INFORMATION

Hackerman 321, 3400 N. Charles Street, *Mobile:* +1 (917)680-9648
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RESEARCH INTERESTS

Natural language processing and machine learning, with a focus on syntactic analysis on low-resource languages via un/semi-supervised learning methods.

EDUCATION

Johns Hopkins University, Baltimore, US

Whiting School of Engineering

Doctor of Philosophy, Computer Science, September, 2014-

- Adviser: Jason Eisner

Columbia University, New York, US

The Fu Foundation School of Engineering & Applied Science

Masters, Computer Science, September, 2012- December, 2013, GPA: 3.95/4.0

- Advisers: Rebecca J. Passonneau and Michael Collins

Shanghai Jiao Tong University, Shanghai, China

Computer Science and Technology(ACM Honored Class)

B.S., Engineering, July, 2011, Major GPA: 3.74/4.3

- Dissertation Topic: "Intent Based Query Clustering on User Logs"
- Adviser: Yong Yu

PUBLICATIONS

Xiang Lisa Li*, **Dingquan Wang*** and Jason Eisner: A Generative Model for Punctuation in Dependency Trees, *Transactions of the Association for Computational Linguistics (ACL)*, 2019, to appear

Dingquan Wang and Jason Eisner: Surface statistics of an unknown language indicate how to parse it, *Transactions of the Association for Computational Linguistics (ACL)*, 2019, to appear

Dingquan Wang and Jason Eisner: Synthetic data made to order: The case of parsing, In *2018 Conference on Empirical Methods in Natural Language Processing (EMNLP)*, Brussels, Belgium, 2018, oral presentation

Dingquan Wang and Jason Eisner: Predicting fine-grained syntactic typology from surface features, *Society for Computation in Linguistics (SCiL)*, Salt Lake City, US, 2018

Dingquan Wang, Nanyun Peng and Kevin Duh: A Multi-task Learning Approach to Adapting Bilingual Word Embeddings for Cross-lingual Named Entity Recognition, In *Proceedings of the International Joint Conference on Natural Language Processing (IJCNLP)*, Taipei, Taiwan, 2017, oral presentation

Dingquan Wang and Jason Eisner: Fine-grained prediction of syntactic typology: Discovering latent structure with supervised learning, *Transactions of the Association for Computational Linguistics (ACL)*, 2017, oral presentation at ACL 2017

Dingquan Wang and Jason Eisner: The Galactic Dependencies treebanks: Getting more data by synthesizing new languages, *Transactions of the Association for Computational Linguistics (ACL)*, 2016, oral presentation at EMNLP 2016

Ruihua Song, **Dingquan Wang**, Jian-Yun Nie, Ji-Rong Wen and Yong Yu: Enhancing Web Search with Queries of Equivalent Intents, *Information Retrieval Journal*, 2016

Dingquan Wang, Rebecca J. Passonneau, Michael Collins and Cynthia Rudin: Modeling Weather Impact on a Secondary Electrical Grid, In *Proceedings of the the 4th International Conference on Sustainable Energy Information Technology (SEIT-2014)*

Boyi Xie, **Dingquan Wang** and Rebecca J. Passonneau: Semantic Feature Representation to Capture News Impact, In *Proceedings of the 27th International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014*

Dingquan Wang, Weinan Zhang, Gui-Rong Xue and Yong Yu: Deep Classifier for Large Scale Hierarchical Text Classification, In *the 1st PASCAL Challenge on Large Scale Hierarchical Text Classification*

Weinan Zhang, **Dingquan Wang**, Gui-Rong Xue and Hongyuan Zha: Advertising Keywords Recommendation for Short-text Web Pages using Wikipedia, *ACM Transactions on Intelligent Systems and Technology* Vol. 3, No. 2. DOI=10.1145/2089094.2089112

WORK
EXPERIENCE

Microsoft Research Summer, 2015
Machine Learning Department Mentor: Matthew Richardson and Scott Yih
Research internship
Neural network models for machine reading comprehension

Mobvoi Inc. Summer, 2014
Natural Language processing Group Mentor: Libin Shen
Research internship
Unsupervised method for generating Chinese abbreviations

Microsoft Research Asia July, 2011 - September, 2011 and July, 2010 - February, 2011
Web Data Management Group Mentor: Ruihua Song
Research Internship
Query clustering on user logs

TEACHING
EXPERIENCE

Johns Hopkins University
Artificial Intelligence Benjamin Van Durme, Fall, 2018
Artificial Intelligence Benjamin Van Durme, Spring, 2018
Natural Language Processing Jason Eisner, Spring, 2016
Natural Language Processing Jason Eisner, Fall, 2014

Columbia University
Advanced Machine Learning Tony Jebara, Spring, 2013
Machine Learning Tony Jebara, Fall, 2012

Shanghai Jiao Tong University
Mathematics in Computer Science John E. Hopcroft, Spring, 2012
Computer Organization Lab ACM Honored Class, Spring, 2010

HONORS AND
AWARDS

MSTA Fellowship of Columbia University Spring, 2013
Microsoft Excellent Internship Award April, 2011
Microsoft Young Fellowship Award, May, 2010
Excellent Academic Scholarship, Shanghai Jiao Tong University 2007–2010

PROFESSIONAL
SERVICES

Reviewer: ACL(2017), EMNLP(2017,2018), NAACL(2019), CCL(2017), IJCNLP(2017), AAAI(2018)

COMPUTER SKILLS **OS, Tools and IDEs:** MacOS, Linux, Windows, Latex, Pytorch, Theano, Keras, Fabric, Makefile, SGE, Slurm, Gnuplot, Vim, IntelliJ IDEA
Programming Languages: Python, Java, C, C++, C#, Matlab, Perl, R