

Wang, Dingquan

CONTACT INFORMATION	6606 Copper Ridge Dr., Apt 201, Baltimore, MD, 21209	<i>Mobile:</i> (917)680-9648 <i>E-mail:</i> wdd@cs.jhu.edu
RESEARCH INTERESTS	Natural Language Processing, Machine Learning, Information Retrieval, Data Mining, and Recommender Systems	
EDUCATION	Johns Hopkins University , Baltimore, US <i>Whiting School of Engineering</i> Doctor of Philosophy, Computer Science, September, 2014- <ul style="list-style-type: none">• Adviser: Prof. Jason Eisner and Prof. Raman Arora Columbia University , New York, US <i>The Fu Foundation School of Engineering & Applied Science</i> Masters, Computer Science, September, 2012- Decemeber, 2013, GPA: 3.95/4.0 <ul style="list-style-type: none">• Adviser: Dr. Rebecca J. Passonneau and Prof. Michael Collins Shanghai Jiao Tong University , Shanghai, China <i>Computer Science and Technology(ACM Honored Class)</i> B.S., Engineering, July, 2011, Major GPA: 3.74/4.3 <ul style="list-style-type: none">• Dissertation Topic: “Intent Based Query Clustering on User Logs”• Adviser: Prof. Yong Yu	
PUBLICATIONS AND SUBMISSIONS	Boyi Xie, Dingquan Wang and Rebecca J. Passonneau: Semantic Feature Representation to Capture News Impact In <i>Proceedings of the 27th International Florida Artificial Intelligence Research Society Conference, FLAIRS 2014</i> Dingquan Wang , Weinan Zhang, Gui-Rong Xue, and Yong Yu: Deep Classifier for Large Scale Hierarchical Text Classification, In <i>the 1st PASCAL Challenge on Large Scale Hierarchical Text Classification</i> Weinan Zhang, Dingquan Wang , Gui-Rong Xue, and Hongyuan Zha: Advertising Keywords Recommendation for Short-text Web Pages using Wikipedia, <i>ACM Transactions on Intelligent Systems and Technology</i> Vol. 3, No. 2. DOI=10.1145/2089094.2089112 Dingquan Wang , Rebecca J. Passonneau, Michael Collins, Cynthia Rudin: Modeling Weather Impact on a Secondary Electrical Grid, Submission for <i>the 4th International Conference on Sustainable Energy Information Technology (SEIT-2014)</i>	
HONORS AND AWARDS	MSTA Fellowship of Columbia University Microsoft Excellent Internship Award Microsoft Young Fellowship Award(3/1000), 1st place in Task 2, PASCAL challenge: LSHTC ¹ Excellent Academic Scholarship, Shanghai Jiao Tong University, Class B(Three times)	Spring, 2013 April, 2011 May, 2010 November, 2009 2007–2010
RESEARCH EXPERIENCE	Johns Hopkins University Multi-view learning for grammar induction Columbia University <i>Research Assistant, Center for Computational Learning Systems</i> Bloomberg project for dependency parsing with Prof. Michael Collins <ul style="list-style-type: none">• Apply zpar dependency parser on various languages.	

¹Large Scale Hierarchical Text Classification

Manhole events prediction on Manhattan power grid with Dr. Rebecca J. Passonneau and Prof. Michael Collins
June, 2013 -

- Animation of manhole events for different networks in Manhattan from 1996 to 2010.
- Time series pattern mining of manhole events.
- Weather modeling for different year.

Semantic feature representation to capture news impact with Dr. Rebecca J. Passonneau.

January, 2013 - June, 2013

- Using linearized tree kernel approach for prediction stock price from financial news.

Master Student, Dept. of Computer Science

September, 2012 -

Semi-supervised approaches for sentiment analysis for citing sentence with Prof. Dragomir Radev

September, 2012 - January, 2012

- Using author and paper network information to improve prediction accuracy.
- Using semi-supervised learning method to tackle the limitation of training data.

Shanghai Jiao Tong University

Research Assistant, Apex Data&Knowledge Management Lab.

June, 2009 - June, 2012

Content and advertisement-sensitive PageRank for keywords recommendation

September, 2009 - June, 2011

- Paper “Advertising Keywords Recommendation on Short-text Web Pages using Wikipedia” was accepted by ACM TIST.

Query clustering by user intents

February, 2011 - June, 2011

- Excellent dissertation “Intent Based Query Clustering on User Logs” with grade A.

Dragon Star Machine Learning Program Membership

August, 2010

KDD Cup 2010

March, 2010 - June, 2010

- Score prediction on educational data using collaborative filtering.

Restricted Boltzmann Machine for Collaborative Filtering

March, 2010 - June, 2010

Mining taxonomy information from DBpedia

March, 2010 - June, 2010

PASCAL challenge: LSHTC²

July, 2009 - November, 2009

- Implement a two-stage text classifier in this challenge. Achieve the 1st place on Task 2.
- Our paper “Deep Classifier for Large Scale Hierarchical Text Classification” was accepted by the challenge committee.

PROFESSIONAL EXPERIENCE

Columbia University

GRA:Con Ed Machine Learning Projects with Dr. Rebecca J. Passonneau and Prof. Michael Collins.
Fall, 2013

MSTA:Advanced Machine Learning by Prof. Tony Jebara.

Spring, 2013

TA:Machine Learning by Prof. Tony Jebara.

Fall, 2012

Full-time internship, Web Data Management Group, Microsoft Research Asia

Query clustering on user logs with Dr. Ruihua Song
July, 2011 - September, 2011 and July, 2010 - February, 2011

Shanghai Jiao Tong University

TA: Mathematics in Computer Science by Prof. John E. Hopcroft.

Spring, 2012

Verifier: Chinese version of “Foundations of Semantic Web Technologies”

Spring, 2011

TA: Computer Organization Lab., 08 ACM Honored Class.

Spring, 2010

COMPUTER SKILLS

OS, Tools and IDEs: Windows, Linux, Mac, Latex, Gnuplot, Vim, Eclipse
Programming Skills: C, C++, C#, Java, Matlab, Python, Perl, R

²Large Scale Hierarchical Text Classification