Wang, Dingquan

CONTACT INFORMATION	600W, 113th St. Apt 12B3, Columbia University New York, NY, 10025	*Mobile:* *E-mail:* *Homepage:*	(917)680-9648 wddabc@gmail.com http://apex.sjtu.edu.cn/apex_wiki/dqwang

RESEARCH INTERESTS

Natural Language Processing, Machine Learning, Information Retrieval, Data Mining, and Recommender Systems

EDUCATION

Columbia University, New York, US
The Fu Foundation School of Engineering & Applied Science
  M.S. Candidate, Computer Science, September, 2012-
  - GPA: 3.95/4.0

Shanghai Jiao Tong University, Shanghai, China
Computer Science and Technology(ACM Honored Class)
  B.S., Engineering, July, 2011

  - Dissertation Topic: "Intent Based Query Clustering on User Logs"
  - Major GPA: 3.74/4.3

PUBLICATIONS AND SUBMISSIONS

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* Accepted

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

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

Ruihua Song, **Dingquan Wang**, Jian-Yun Nie, Ji-Rong Wen: Mining Queries with Similar Intents and its Applications to Web Search, Submission for *the 37th International Conference on Special Interest Group On Information Retrieval (SIGIR-2014)*

HONORS AND AWARDS

MSTA Fellowship of Columbia University	Spring, 2013
Microsoft Excellent Internship Award	April,2011
Microsoft Young Fellowship Award(3/1000),	May, 2010
1st place in Task 2, PASCAL challenge: LSHTC[1]	November, 2009
Excellent Academic Scholarship, Shanghai Jiao Tong University, Class B(Three times)	2007–2010

RESEARCH EXPERIENCE

Columbia University
Research Assistant, Center for Computational Learning Systems   *January, 2013 -*
  Bloomberg project for dependency parsing with Prof. Michael Collins   September, 2013 -
  - Apply zpar dependency parser on various languages.
  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.

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[1]Large Scale Hierarchical Text Classification

- 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 finical 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: LSHTC[2]   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**

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

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[2]Large Scale Hierarchical Text Classification