

Quanzeng You

CONTACT INFORMATION	Department of Computer Science, University of Rochester Rochester, NY 14626	585-732-8129 qyou@cs.rochester.edu
RESEARCH INTERESTS	My research focuses on social multimedia, deep learning and data mining. Our object is to mine patterns and knowledge from social networks using data mining techniques and multimedia information from different social networks. Recently, I mainly focus on using deep learning for social multimedia sentiment analysis.	
EDUCATION	University of Rochester , Rochester, NY Ph.D., Computer Science, <i>Expected</i> : Summer 2017 <ul style="list-style-type: none">Advisors: Prof. Jiebo Luo Dalian University of Technology , Dalian, China M.S., School of Software, Jan 2012 <ul style="list-style-type: none">Topic: <i>Large Scale Spectral Clustering Based on Nyström Extension</i>Advisor: Prof. Xianchao Zhang B.S., School of Software, Jul 2009	
EXPERIENCE	Research Assistant Aug 2012 to present University of Rochester Social Multimedia Data Mining Advisor: Prof. Jiebo Luo Social Multimedia Analysis	
	Research Intern June 2016 to Aug 2016 Facebook at Menlo Park, CA Cultural Diffusion Supervisor: Dr. Jungjeock Joo	
	Deep Learning Research Intern June 2015 to Aug 2015 Adobe Research at San Jose, CA Image Captioning Supervisor: Dr. Hailin Jin, Dr. Zhaowen Wang and Dr. Chen Fang Robust Image Captionin.	
	Research Intern May 2014 to Aug 2014 PARC at Rochester User Profiling Supervisor: Dr. Sumit Bhatia and Dr. Tong Sun Using social multimedia content for user profiling	
	Research Intern June 2013 to Aug 2013 Microsoft Research at Redmond Transit Tomography from Probabilistic Time Geography Supervisor: Dr. John Krumm Using geo-tagged tweets for navigation	
	Software Engineer Intern Mar 2012 to Jul 2012 Baidu Inc. at Beijing Supervisor: Yueting Li Personalized advertisement	
	Research Assistant Sep 2009 to Jan 2012 Contribute to the similarity and the scalability issue of spectral clustering.	

AWARDS

MS-COCO Image Captioning Challenge 2016 (1st Place)
ACM MM 2016 Doctoral Symposium
ACM MM 2016 Travel Grant
Adobe 2015 Fellowship Finalist
AAAI 2015 student travel scholarship
2015 Microsoft Research Asia Ph.D. Forum (30 of the best Asian Ph.D. students from the Asia-Pacific region and the U.S)

PUBLICATIONS

1. Fenglong Ma, Radha Chitta, Jing Zhou, **Quanzeng You**, Tong Sun, Jing Gao. Dipole: Diagnosis Prediction in Healthcare via Attention-based Bidirectional Recurrent Neural Networks. KDD 2017, Halifax, Nova Scotia - Canada, August 2017.
2. **Quanzeng You**, Ran Pang, Liangliang Cao and Jiebo Luo. Image Based Appraisal of Real Estate Properties, IEEE Transactions on Multimedia (TMM) (accepted under publication), 2017.
3. **Quanzeng You**, Jungseock Joo, Dario Garcia Garcia, Jiebo Luo. Cultural Dynamics and Trends in Facebook Photographs, AAAI International Conference on Web and Social Media (ICWSM), 2017.
4. **Quanzeng You**, Hailin Jin and Jiebo Luo. Visual Sentiment Analysis by Attending on Local Image Regions, 31-th AAAI Conference on Artificial Intelligence (AAAI-17), San Francisco, CA. 2017.
5. Yang Cong, Ji Liu, Gan Sun, **Quanzeng You**, Yuncheng Li, and Jiebo Luo. Adaptive Greedy Dictionary Selection for Web Media Summarization, in IEEE Transactions on Image Processing, vol.PP, no.99, pp.1-1. doi: 10.1109/TIP.2016.2619260
6. **Quanzeng You**. Sentiment and Emotion Analysis for Social Multimedia: Methodologies and Applications, ACM Multimedia Conference (ACM MM), Doctoral Symposium, Amsterdam, The Netherlands, October 2016.
7. **Quanzeng You**, Liangliang Cao, Hailin Jin, Jiebo Luo. Robust Visual-Textual Sentiment Analysis: When Attention meets Tree-structured Recursive Neural Networks, ACM Multimedia Conference (ACM MM), Amsterdam, The Netherlands, October 2016.
8. Xianchao Zhang, Linlin Zong, **Quanzeng You**, Xing Yong. Sampling for Nystrm Extension based Spectral Clustering: Incremental Perspective and Novel Analysis. IEEE Transactions on Knowledge Discovery from Data (TKDD), 2016.
9. **Quanzeng You**, Hailin Jin, Zhaowen Wang, Chen Fang, Jiebo Luo. Image Captioning with Semantic Attention, IEEE Conference on Computer Vision and Pattern Recognition (CVPR), Las Vegas, NV, June 2016.
10. **Quanzeng You**, Hailin Jin, Jianchao Yang, Jiebo Luo. Building a Large Scale Dataset for Image Emotion Recognition: The Fine Print and The Benchmark. AAAI, 2016.
11. **Quanzeng You**, Sumit Bhatia, Jiebo Luo. Picture Tells a Thousand Words—About You! User Interest Profiling from User Generated Visual Content. Signal Processing, 2016.
12. **Quanzeng You**, Jiebo Luo, Hailin Jin and Jianchao Yang. Cross-modality Consistent Regression for Joint Visual-Textual Sentiment Analysis of Social Multimedia. The 9th International Conference on Web Search and Data Mining (WSDM), 2016.
13. **Quanzeng You**, Liangliang Cao, Yang Cong, Xianchao Zhang, Jiebo Luo. A Multifaceted Approach to Social Multimedia-based Prediction of Elections. IEEE Transactions on Multimedia (TMM), 2015.

14. **Quanzeng You**, Hailin Jin, Jianchao Yang and Jiebo Luo. Cross-modality Consistent Regression for Joint Visual-Textual Sentiment Analysis, ACM MM (short) 2015.
15. Jianbo Yuan, **Quanzeng You**, Jiebo Luo. Sentiment Analysis Using Social Multimedia, Multimedia Data Mining and Analytics(Book Chapter), 2015, Springer.
16. Danning Zheng, Tianran Hu, **Quanzeng You**, Henry Kautz and Jiebo Luo. Towards Lifestyle Understanding: Predicting Home and Vacation Locations from User's Online Photo Collections, ICWSM, 2015
17. **Quanzeng You**, Jianbo Yuan, Jiaqi Wang, Philip Guo and Jiebo Luo. Snap n' Shop: Visual Search-Based Mobile Shopping Made a Breeze by Machine and Crowd Intelligence, ICSC, 2015.
18. **Quanzeng You**, Jiebo Luo, Hailin Jin and Jianchao Yang. Robust Image Sentiment Analysis Using Progressively Trained and Domain Transferred Deep Networks, AAAI, 2015.
19. **Quanzeng You**, Sumit Bhatia, Tong Sun, Jiebo Luo. The eyes of the beholder: Gender prediction using images posted in online social networks, IEEE ICDM, Workshop on Social Multimedia Data Mining, 2014.
20. Danning Zheng, Tianran Hu, **Quanzeng You**, Henry Kautz, Jiebo Luo. Inferring Home Location from Users Photo Collections based on Visual Content and Mobility Patterns, ACM MM, Workshop on Geotagging and Its Applications in Multimedia, 2014.
21. **Quanzeng You**, John Krumm. Transit tomography using probabilistic time geography: planning routes without a road map, Journal of Location Based Services, 3(97):1-18, 2014.
22. Junhuan Zhu, **Quanzeng You**, Jiebo Luo and John R. Smith, Towards Understanding the Effectiveness of Election Related Images in Social Media, ICDM Workshop DDM, December 2013.
23. Jianbo Yuan, **Quanzeng You**, and Jiebo Luo, Are There Cultural Differences in Event Driven Information Propagation Over Social Media? ACM MM Workshop IWSAM, October 2013.
24. **Quanzeng You** and Jiebo Luo, Towards Social Imagematics: Sentiment Analysis in Social Multimedia, ACM SIGKDD, Workshop on MDM, August 2013.
25. Jianbo Yuan, **Quanzeng You**, Sean McDonough, and Jiebo Luo, Stribute: Image Sentiment Analysis from a Mid-level Perspective, ACM SIGKDD, Workshop WISDOM, August 2013.
26. Xianchao Zhang, **Quanzeng You**. Clusterability Analysis and Incremental Sampling for Nyström Extension Based Spectral Clustering. *ICDM*, 942–951, 2011.
27. Xianchao Zhang, **Quanzeng You**. An Improved Spectral Clustering Based on Random Walk. *Frontiers of Computer Science in China*, vol. 5, no. 3, pp. 268-278.

SERVICE

Reviewer, GeoMM 2014, IJCAI 2015, WACV 2017, ACM MM 2017, IEEE TMM, IEEE TIP
 Subviewer, AAAI 2013, 2014, WWW 2013
 Volunteer, SIGKDD 2012, PAAP 2010

COMPUTER
 PROGRAMMING

C, C++, Python, Matlab, Torch, Theano, Java, UNIX shell scripting, SQL, MySQL

REFERENCES

Prof. Jiebo Luo, Professor, University of Rochester, jluo@cs.rochester.edu
Dr. Liangliang Cao, Chief Scientist, customerserviceAI.com, liangliang.cao@gmail.com
Dr. John Krumm, Principal Research Scientist, Microsoft, jckrumm@microsoft.com
Dr. Sumit Bhatia, Research Scientist, IBM, sumit.summit@gmail.com
Dr. Hailin Jin, Principal Scientist, Adobe, hljin@adobe.com
Dr. Jianchao Yang, Research Scientist, Snapchat, jcyangenerator@gmail.com
Prof. Jungseock Joo, Professor, UCLA, jungseock@gmail.com