

## Suhang Wang

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RESEARCH INTERESTS	Data Mining, Social Media Mining, Machine Learning and Deep Learning	
EMPLOYMENT	Assistant Professor, Penn State University - University Park	Aug. 2018 - Present
EDUCATION	<b>Arizona State University</b> (ASU), Tempe, AZ, USA Jan. 2014 - July 2018 <ul style="list-style-type: none"><li>• Ph.D. in Computer Science</li><li>• Thesis Topic: Representation Learning for Complex Networks</li><li>• Area of Study: Data mining, Social Media Mining, Machine Learning and Deep Learning</li><li>• Advisor: Professor <a href="#">Huan Liu</a></li><li>• GPA: 4.0/4.0</li></ul> <b>University of Michigan at Ann Arbor</b> (UMich), MI, USA Sept. 2012 - Dec. 2013 <ul style="list-style-type: none"><li>• M.S. in Electrical Engineering: Systems</li><li>• Area of Study: Digital Signal Processing(major), Computer Science(minor)</li><li>• Major GPA: 4.0/4.0</li></ul> <b>University of Michigan at Ann Arbor</b> (UMich), MI, USA Sept. 2010 - Apr. 2012 <ul style="list-style-type: none"><li>• B.S. in Electrical Engineering</li><li>• <i>Summa Cum Laude</i>, with Honors in Engineering</li><li>• GPA: 3.92/4.0</li></ul> <b>Shanghai Jiao Tong University</b> (SJTU), Shanghai, China Sept. 2008 - Aug. 2012 <ul style="list-style-type: none"><li>• B.S. in Electrical and Computer Engineering</li><li>• GPA: 3.78/4.0</li></ul>	
SUMMARY OF PUBLICATIONS	My publications can be generally categorized into the following areas, and a representative paper is listed under each area: <ul style="list-style-type: none"><li>• <b>Network Representation Learning</b> [37],[32],[41],[40],[25],[53],[19]<ul style="list-style-type: none"><li>- <b>Suhang Wang</b>, Jiliang Tang, Charu Aggarwal, Yi Chang, Huan Liu. Signed Network Embedding in Social Media. <i>In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)</i></li></ul></li><li>• <b>Feature Selection and Extraction</b> [51],[4],[36],[33],[15],[6]<ul style="list-style-type: none"><li>- <b>Suhang Wang</b>, Charu Aggarwal, Huan Liu. Randomized Feature Engineering as a Fast and Accurate Alternative to Kernel Methods. <i>In Proceedings of the 23rd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2017)</i></li></ul></li><li>• <b>Deep Learning</b> [35],[34],[37][3],[37],[9], [31]<ul style="list-style-type: none"><li>- <b>Suhang Wang</b>, Charu Aggarwal, Huan Liu. Using a Random Forest to Inspire a Neural Network and Improving on It. <i>In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)</i></li></ul></li><li>• <b>Recommendation and Information Retrieval</b> [49],[48],[34],[45],[14],[30]<ul style="list-style-type: none"><li>- <b>Suhang Wang</b>, Yilin Wang, Jiliang Tang, Kai Shu, Suhas Ranganath and Huan Liu. What Your Images Reveal: Exploiting Visual Contents for Point-of-Interest Recommendation. <i>In Proceedings of the 26th World Wide Web Conference (WWW 2017)</i></li></ul></li><li>• <b>Fake News Detection</b>[12],[21],[20]</li></ul>	

- Shuo Yang, Kai Shu, **Suhang Wang**, Renjie Gu, Fan Wu, Huan Liu. Un-supervised Fake News Detection on Social Media: A Generative Approach. *In Proceedings of the Thirty-Third AAAI Conference on Artificial Intelligence (AAAI 2019)*

As of January 2019, my Google Scholar citation is 1028 and h-index is 17.

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|-------------------------------------|--|
| BOOKS OR BOOK<br>CHAPTERS           | <p>[1] Dongwon Lee, <b>Suhang Wang</b> and Huan Liu. Like and Recommendation. (In Preparation)</p> <p>[2] Vineeth Rakesh, <b>Suhang Wang</b>, Huan Liu. Deep Generative Models for Recommender Systems. <i>Big Data Recommender Systems</i>, IET, 2018</p> <p>[3] <b>Suhang Wang</b>, Huan Liu. Deep Learning for Feature Representation. <i>Feature Engineering</i>, CRC Press, 2018</p> <p>[4] <b>Suhang Wang</b>, Jiliang Tang, and Huan Liu. Feature Selection. <i>Encyclopedia of Machine Learning and Data Mining</i>, 2016</p>  |
| REFERRED<br>JOURNAL<br>PUBLICATIONS | <p>[5] Yang Li, <b>Suhang Wang</b>, Quan Pan, Haiyun Peng, Tao Yang and Erik Cambria. Learning Binary Codes for Neural Collaborative Filtering. <i>Knowledge-Based Systems</i>, 2019</p> <p>[6] Yang Li, Quan Pan, <b>Suhang Wang</b>, Haiyun Peng, Tao Yang, Erik Cambria. Disentangled Variational Auto-Encoder for Semi-supervised Learning. <i>Information Sciences</i>, 2019</p> <p>[7] <b>Suhang Wang</b>, Charu Aggarwal, Huan Liu. Random-Forest Inspired Neural Networks. <i>ACM TIST</i>, 2018</p> <p>[8] Xuying Meng, <b>Suhang Wang</b>, Kai Shu, Jundong Li, Bo Chen, Huan Liu, Yujun Zhang. Towards Privacy Preserving Social Recommendation under Personalized Privacy Settings. <i>WWWJ</i>, 2018</p> <p>[9] Yang Li, Quan Pan, <b>Suhang Wang</b>, Tao Yang, Erik Cambria. Categorized Text Generation with Generative Models. <i>Information Sciences</i>, 2018</p> <p>[10] <b>Suhang Wang</b>, Jiliang Tang, Yilin Wang, Huan Liu. Exploiting Hierarchical Structures for Recommender Systems. <i>IEEE TKDE</i>, 2018</p> <p>[11] Yang Li, Tao Yang, <b>Suhang Wang</b>, Jiliang Tang, Quan Pan, Erik Cambria. Learning Word Representations for Sentiment Classification. <i>Cognitive Computation</i>, 2017</p> <p>[12] Kai Shu, Amy Slivaz, <b>Suhang Wang</b>, Jiliang Tang, Huan Liu. Fake News Detection on Social Media: A Data Mining Perspective. <i>SIGKDD Explorations</i>, 2017</p> <p>[13] Suhas Ranganath, Xia Hu, Jiliang Tang, <b>Suhang Wang</b> and Huan Liu. Understanding and Identifying Rhetorical Questions in Social Media. <i>ACM TIST</i>, 2017</p> <p>[14] Suhas Ranganath, <b>Suhang Wang</b>, Xia Hu, Jiliang Tang and Huan Liu. Finding Time-Critical Responses for Information Seeking in Social Media. <i>IEEE TKDE</i>, 2017</p> <p>[15] Jundong Li, Kewei Cheng, <b>Suhang Wang</b>, Fred Morstatter, Robert P Trevino, Jiliang Tang, Huan Liu. Feature Selection: A Data Perspective. <i>ACM Computing Surveys (CSUR)</i>, 2017</p> <p>[16] Kai Shu, <b>Suhang Wang</b>, Jiliang Tang, Reza, Zafarani, Huan Liu. User Identity Linkage across Online Social Networks: A Review. <i>SIGKDD Explorations</i>, 2016</p> <p>[17] Yong Peng, Bao-Liang Lu and <b>Suhang Wang</b>. Enhanced Low-rank Representation via Sparse Manifold Adaption for Semi-supervised Learning. <i>Neural Networks</i>, DOI: 10.1016/j.neunet.2015.01.001, 2015</p> |

- [18] Yong Peng, **Suhang Wang**, Xianzhong Long and Bao-Liang Lu. Discriminative Graph Regularized Extreme Learning Machine and Its Application to Face Recognition. *Neurocomputing*, 149: 340-353, 2015
- [19] Yao Ma, **Suhang Wang**, Charu Aggarwal, Dawei Yin and Jiliang Tang. Multi-dimensional Graph Convolutional Neural Networks. *In Proceedings of the Nineteenth SIAM International Conference on Data Mining (SDM 2019)*
- [20] Shuo Yang, Kai Shu, **Suhang Wang**, Renjie Gu, Fan Wu, Huan Liu. Unsupervised Fake News Detection on Social Media: A Generative Approach. *In Proceedings of the Thirty-Third AAAI Conference on Artificial Intelligence (AAAI 2019)*
- [21] Kai Shu, **Suhang Wang**, Huan Liu. Beyond News Contents: The Role of Social Context for Fake News Detection. *In Proceedings of the 12th ACM International Conference on Web Search and Data Mining (WSDM 2019)*
- [22] Vineeth Rakesh, **Suhang Wang**, Kai Shu and Huan Liu. Linked Variational AutoEncoders for Inferring Substitutable and Supplementary Items. *In Proceedings of the 12th ACM International Conference on Web Search and Data Mining (WSDM 2019)*
- [23] Kai Shu, **Suhang Wang**, Thai Le, Dongwon Lee, and Huan Liu. Deep Headline Generation with Style Transfer and its Utility in Clickbait Detection. *In Proceedings of the IEEE International Conference on Data Mining (ICDM 2018)*
- [24] Fan Yang, Ninghao Liu, **Suhang Wang**, and Xia Hu. Towards Interpretation of Recommender Systems with Sorted Explanation Paths. *In Proceedings of the IEEE International Conference on Data Mining (ICDM 2018)*
- [25] Yao Ma, **Suhang Wang**, Jiliang Tang. Preserving Local and Global Information for Network Embedding. *In Proceedings of the international conference series on Advances in Social Network Analysis and Mining (ASONAM 2018)*
- [26] Kai Shu, **Suhang Wang**, Jiliang Tang, Yi Chang, Huan Liu. Exploiting User Actions for App Recommendations. *In Proceedings of the international conference series on Advances in Social Network Analysis and Mining (ASONAM 2018)*
- [27] Wen Zhang, Kai Shu, **Suhang Wang**, Huan Liu, Yalin Wang. Longitudinal Multimodal Neuroimaging Data Fusion of Brain Networks: A Network Representation Learning Approach. *In Proceedings of the 21st International Conference On Medical Image Computing & Computer Assisted Intervention (MICCAI 2018)*
- [28] Xuying Meng, **Suhang Wang**, Huan Liu, Yujun Zhang. Exploiting Emotion on Reviews for Recommender Systems. *In Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI 2018)*
- [29] Xuying Meng, **Suhang Wang**, Kai Shu, Jundong Li, Bo Chen, Huan Liu, Yujun Zhang. Personalized Privacy-Preserving Social Recommendation. *In Proceedings of the Thirty-Second AAAI Conference on Artificial Intelligence (AAAI 2018)*
- [30] Kai Shu, **Suhang Wang**, Jiliang Tang, Yilin Wang, Huan Liu. CrossFire: Cross Media Joint Item and Friend Recommendations. *In Proceedings of the 11th ACM International Conference on Web Search and Data Mining (WSDM 2018)*
- [31] Yilin Wang, **Suhang Wang**, Guojun Qi, Jiliang Tang, Baoxin Li. Weakly Supervised Facial Attribute Manipulation via Deep Adversarial Network. *In Proceedings of the 2018 IEEE Winter Conference on Applications of Computer Vision (WACV 2018)*
- [32] **Suhang Wang**, Charu Aggarwal, Jiliang Tang, Huan Liu. Attributed Signed Network Embedding. *In Proceedings of 26th ACM International Conference on Information and Knowledge Management (CIKM 2017)*

- [33] **Suhang Wang**, Charu Aggarwal, Huan Liu. Randomized Feature Engineering as a Fast and Accurate Alternative to Kernel Methods. *In Proceedings of the 23rd ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2017)*
- [34] **Suhang Wang**, Yilin Wang, Jiliang Tang, Kai Shu, Suhas Ranganath and Huan Liu. What Your Images Reveal: Exploiting Visual Contents for Point-of-Interest Recommendation. *In Proceedings of the 26th World Wide Web Conference (WWW 2017)*
- [35] **Suhang Wang**, Charu Aggarwal, Huan Liu. Using a Random Forest to Inspire a Neural Network and Improving on It. *In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)*
- [36] **Suhang Wang**, Yilin Wang, Jiliang Tang, Charu Aggarwal, Suhas Ranganath, Huan Liu. Exploiting Hierarchical Structures for Unsupervised Feature Selection. *In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)*
- [37] **Suhang Wang**, Jiliang Tang, Charu Aggarwal, Yi Chang, Huan Liu. Signed Network Embedding in Social Media. *In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)*
- [38] Yang Li, **Suhang Wang**, Quan Pan, Tao Yang, Jiliang Tang. Price Recommendation on Vacation Rental Websites. *In Proceedings of the Seventeenth SIAM International Conference on Data Mining (SDM 2017)*
- [39] Yilin Wang, **Suhang Wang**, Jiliang Tang, Guojun Qi, Huan Liu and Baoxin Li. CLARE:A Joint Approach to Label Classification and Tag Recommendation. *In Proceedings of the Thirty-First AAAI Conference on Artificial Intelligence (AAAI 2017)*
- [40] **Suhang Wang**, Jiliang Tang, Fred Morstatter and Huan Liu. Paired Restricted Boltzmann Machine for Linked Data. *In Proceedings of 25th ACM International Conference on Information and Knowledge Management (CIKM-16)*
- [41] **Suhang Wang**, Jiliang Tang, Charu Aggarwal, Yi Chang and Huan Liu. Linked Document Embedding for Classification. *In Proceedings of 25th ACM International Conference on Information and Knowledge Management (CIKM-16)*
- [42] Yilin Wang, **Suhang Wang**, Jiliang Tang, Huan Liu and Baoxin Li. PPP: Joint Pointwise and Pairwise Image Label Prediction. *In Proceedings of IEEE Conference on Computer Vision and Pattern Recognition (CVPR-16)*
- [43] Suhas Ranganath, Xia Hu, Jiliang Tang, **Suhang Wang** and Huan Liu. Understanding and Identifying Rhetorical Questions in Social Media. *In: Proceedings of The International AAAI Conference on Web and Social Media (ICWSM-16)*
- [44] Ghazaleh Beigi, Jiliang Tang, **Suhang Wang**, Huan Liu. Exploiting Interaction Data for Trust and Distrust Prediction. *In Proceedings of the SIAM International Conference on Data Mining (SDM), 2016*
- [45] Jiliang Tang , **Suhang Wang**, Xia Hu, Dawei Yin, Yingzhou Bi, Yi Chang and Huan Liu. Recommendation with Social Dimensions. *In Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence (AAAI 2016)*, Phoenix, AZ
- [46] Suhas Ranganath, Fred Morstatter, Xia Hu, Jiliang Tang, **Suhang Wang**, Huan Liu. Predicting Online Protest Participation of Social Media Users. *In Proceedings of the Thirtieth AAAI Conference on Artificial Intelligence (AAAI 2016)*, Phoenix, AZ
- [47] Suhas Ranganath, **Suhang Wang**, Xia Hu, Jiliang Tang and Huan Liu. Finding Time-Critical Responses for Information Seeking in Social Media. *14th IEEE International Conference on Data Mining (ICDM 2015)*, Atlantic City, NJ

- [48] **Suhang Wang**, Jiliang Tang and Huan Liu. Toward Dual Role of Users in Recommender Systems. *24th ACM International Conference on Information and Knowledge Management (CIKM 2015)*, Melbourne, Australia
- [49] **Suhang Wang**, Jiliang Tang and Huan Liu. Exploring Implicit Hierarchical Structure for Recommender Systems. *24th International Joint Conference on Artificial Intelligence (IJCAI 2015)*, Buenos Aires, Argentina
- [50] Yilin Wang, **Suhang Wang**, Jiliang Tang and Huan Liu. Unsupervised Sentiment Analysis for Social Media Images. *24th International Joint Conference on Artificial Intelligence (IJCAI 2015)*, Buenos Aires, Argentina
- [51] **Suhang Wang**, Jiliang Tang and Huan Liu. Embedded Unsupervised Feature Selection. *Proceedings of the Twenty-Ninth AAAI Conference on Artificial Intelligence (AAAI 2015)*, Austin, TX
- [52] Yong Peng, **Suhang Wang**, Shen Wang and Bao-Liang Lu. Structure Preserving Low-rank Representation for Semi-supervised Face Recognition. *International Conference on Neural Information Processing (ICONIP2013)*
- WORKSHOP PAPERS
- [53] Tyler Derr, Chenxing Wang, **Suhang Wang** and Jiliang Tang. Relevance Measurements in Online Signed Social Networks. *In Proceedings of the 14TH International Workshop on Mining and Learning with Graphs (MLG-18)*
- [54] Kai Shu, **Suhang Wang**, Huan Liu. Understanding User Profiles on Social Media for Fake News Detection. *In Proceedings of the 1st IEEE International Workshop on Fake MultiMedia (FakeMM-18)*
- [55] Yao Ma, **Suhang Wang**, Jiliang Tang. Network Embedding with Centrality Information. *In Proceedings of the IEEE International Conference on Data Mining Workshops (ICDMW-17)*
- PREPRINTS
- [56] Kai Shu, Liangda Li, **Suhang Wang**, and Huan Liu. Joint Local and Global Sequence Modeling in Temporal Correlation Network for Search Trending Topic Detection. (Submitted to SIGIR-19)
- [57] **Suhang Wang**, Kai Shu, Vineeth Rakesh, Abhay Joshi, and Huan Liu. Multi-aspect Attentive Neural Collaborative Filtering. (Submitted to SIGIR-19)
- [58] Kai Shu, Deepak Mahudeswaran, **Suhang Wang**, Huan Liu. Hierarchical Propagation Network for Fake News Detection: Investigation and Exploitation (Submitted to ICWSM-19)
- [59] Kai Shu, Deepak Mahudeswaran, **Suhang Wang**, Dongwon Lee, Huan Liu. Fake-NewsNet: A Data Repository with News Content, Social Context and Spatiotemporal Information for Studying Fake News on Social Media. (Submitted to ICWSM-19 Dataset Track)
- [60] **Suhang Wang**, Charu Aggarwal, Huan Liu. Beyond word2vec: Distance-graph Tensor Factorization for Word and Document Embeddings. (Submitted to WWW-19)
- [61] **Suhang Wang**, Jiliang, Tang, Charu Aggarwal, Huan Liu. Dynamic Network Embedding. (Submitted to WWW-19)
- [62] Yao Ma, **Suhang Wang**, Charu Aggarwal, Jiliang Tang. Deep Multi-dimensional Network Embedding. (Submitted to WWW-19)
- [63] Ghazaleh Beigi, Kai Shu, Ruocheng Guo, **Suhang Wang**, Huan Liu. Differentially Privacy Preserving Text Representation Learning. (Submitted to WWW-19)
- [64] Tian Shi, Vineeth Rakesh, **Suhang Wang** and Chandan Reddy. Document-Level Multi-Aspect Sentiment Classification for Online Reviews for Medical Doctors. (Submitted to WWW-19)

- [65] Kai Shu, Liangda Li, **Suhang Wang**, Yunhong Zhong, Huan Liu. Modeling Diversity, Temporality, and Engagement for Search Trending Topic Detection via QNTRank. (Submitted to WWW-19)
- [66] Shan-Yun Teng, **Suhang Wang**, Lo-Pang-Yun Ting, Kun-Ta Chuang and Huan Liu. KageBay: Unknowns Recommendation Using Knowledge-Aware Graph Embedding with Bayesian Personalized Ranking. (Submitted to WWW-19)
- [67] Kai Shu, **Suhang Wang**, Amy Slivaz, Huan Liu. Who Are More Likely to Trust Fake News? Investigating User Profiles on Social Media for Fake News Detection.
- [68] Yilin Wang, Liangda Li, **Suhang Wang**, Jiliang Tang, Hongbo Deng, Yi Chang and Baoxin Li. Query Auto Completion in Blended Search.
- [69] Fred Morstatter, **Suhang Wang**, Huan Liu. Analogy-Oriented Word Embeddings with Exogenous Relationships.
- [70] Fred Morstatter, Kai Shu, **Suhang Wang**, Huan Liu. Cross-Platform Emoji Interpretation: Analysis, a Solution, and Applications. (Submitted to ACM TSC)
- [71] Yilin Wang, **Suhang Wang**, Jiliang Tang, Neil O'Hare, Yi Chang and Baoxin Li. Hierarchical Attention Network for Action Recognition in Videos. (arXiv)

PROFESSIONAL EXPERIENCE	<b>Data Scientist Intern</b>	May 2017 - August 2017
	Clari Inc. Sunnyvale, CA Supervisor: Lei Tang	
	<b>Research Intern</b>	May 2016 - August 2017
	IBM T.J. Watson Research Center, Yorktown Heights, NY Supervisor: Dr. Charu Aggarwal	
	<b>Graduate Research Assistant</b>	Summer 2014 - Present
	Machine Learning and Data Mining Lab, ASU Supervisor: Prof. Huan Liu	
TEACHING EXPERIENCE	<b>Instructor</b>	Spring 2019
	IST402: Social Media Mining, PSU	
	<b>Instructor</b>	Fall 2018
	IST597: Social Media Analytic, PSU	
	<b>Teaching Assistant</b>	Fall 2016
	CSE 691: Advanced Topics on Social Media Analysis, ASU Instructor: Prof. Huan Liu	
	<b>Teaching Assistant</b>	Fall 2015
	CSE 472/598: Social Media Mining, ASU Instructor: Prof. Huan Liu	
	<b>Teaching Assistant</b>	Spring 2014
	CSE 230: Computer Organization and Assembly Language Programming, ASU Instructor: Dr. Mutsumi Nakamura	
	<b>Teaching Assistant/Lab Instructor</b>	Spring 2014
	CSE 100: Principles of Programming with C++, ASU Instructor: Prof. DeLibero Joseph	
STUDENTS & MENTEES	Ph.D Students	
	• <b>Yiwei Sun</b> , CSE@PSU	Sep. 2018 - Present
	Research Co-advising with Prof. Vansant Honarvar	
	• <b>Xianfeng Tang</b> , IST@PSU	Sep. 2018 - Present
	Research Co-advising with Prof. Prasenjit Mitra	

- **Yao Ma**, CSE@Michigan State University Mar. 2017 - Present  
Preprint [25]  
Research Co-advising with Prof. Jiliang Tang
- **Xuying Meng**, CS@Univ. of Chinese Academy of Sciences Oct. 2016 - Apr. 2017  
Referred conference papers [28],[29]  
Co-advising with Prof. Huan Liu and Prof. Yujun Zhang
- **Yang Li**, CSE@Northwestern Polytechnical Univ. Sept. 2016 - Present  
Referred papers [38],[11],[9], preprint [6]  
Co-advising with Prof. Quan Pan and Prof. Erik Cambria
- **Kai Shu**, CSE@ASU December 2015 - Present  
Referred papers [16],[12],[30],[26],[21]  
Research Co-advising with Prof. Huan Liu

#### Master Students

- **Shujian Zhang**: CSE@PSU December 2018 - Present
- **Palak Anmol**: CSE@ASU February 2017 - April 2017  
Advising on personal identity identification project
- **Ravi Teja Pinnaka**: CSE@ASU March 2017 - May 2017  
Advising on personal identity identification project

#### Undergraduate Student

- **Daniel Baird**: Honors College@ASU August 2017 - Present  
Advising on honor thesis  
Co-advising with Prof. Huan Liu

#### PATENT

- **Suhang Wang**, Jiliang Tang, Huan Liu. Systems and methods for embedded unsupervised feature selection. US Patent App. 15/412,909.
- Kai Shu, **Suhang Wang**, Jiliang Tang, Yilin Wang, Huan Liu. Systems and methods for a cross media joint friend and item recommendation framework. Provisional Patent Application.

#### SELECTED HONORS

##### Merit-based Scholarships

- Ira A. Fulton Schools of Engineering Dean's Dissertation Award, ASU Fall 2018
- University Graduate Fellowship, ASU Spring 2014 - Fall 2014, Spring 2017, 2018
- Excellent Student Capstone Project, Intel, Shanghai, China August 2012
- James B. Angell Scholar, UMich March 2012
- Outstanding Student Scholarship, SJTU 2009, 2010
- University Honors, UMich all semesters
- Dean's List, EECS, UMich all semesters
- Dean's List, Joint Institute, SJTU all semesters

##### Travel Awards

- KDD 2017 Student Travel Grant Award, August 2017
- SDM 2017 Student Travel Grant Award, April 2017
- CIKM 2016 Student Travel Grant Award, October 2016
- CIKM 2015 Student Travel Grant Award, October 2015
- IJCAI 2015 Student Travel Grant Award, July 2017

##### Media Coverage

- The [blog article](#) about our survey paper Fake News Detection on Social Media is among the most shared last week in KDNuggets, Oct. 9-15, 2017.
- KDNuggets, [5 Machine Learning Projects You Can No Longer Overlook](#), April 2017. Our scikit-feature project is #2.
- Our work on protest prediction is reported by ValueWalk, Mic News, Inverse, Indian

Express, Newsgram, Business Standard, Business Insider, BGR, NextGov, Defense One.

#### Software Produced

- Co-author of **Scikit-Feature**, which is a popular feature selection toolkit that implements more than 25 representative and state-of-the-art feature selection methods

#### SERVICE

- **Program Committee Member:** IJCAI (2016, 2017, 2019), AAAI (2018, 2019), WSDM Workshop 2018, PAKDD (2018, 2019), WWW 2019, ECIR 2018, SIGIR 2018, RecSys 2018, IEEE BigData 2018, SDM 2019
- **Journal Reviewer:** ACM TKDD, IEEE TKDE, IEEE TNNLS, IEEE TBD, Neurocomputing, Pattern Recognition, EURASIP J Bioinform Syst Biol, Internet Research
- **Conference Reviewer:** WSDM (2016, 2017), AAAI (2016 - 2018), IJCAI (2015 - 2017), ASONAM (2015 - 2017), CIKM (2015, 2016), WWW (2015, 2016), SDM (2015 - 2017), RecSys (2014, 2017), SIGIR 2017, KDD 2016, NIPS 2016, ICDM 2014, ICHI 2015, WebScience 2014, CitRec 2017

#### PROFESSIONAL REFERENCES

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Charu Aggarwal, Ph.D  
IEEE Fellow, ACM Fellow  
Distinguished Research Staff Member  
IBM T.J. Watson Research Center  
E-mail: charu@us.ibm.com  
Relationship: Research intern advisor in IBM, committee member

Hanghang Tong, Ph.D  
Assistant Professor of Computer Science and Engineering  
Arizona State University  
E-mail: hanghang.tong@asu.edu  
Relationship: Course instructor, committee member