Wei **Zhang**

ASSOCIATE PROFESSOR · SCHOOL OF COMPUTER SCIENCE AND TECHNOLOGY · EAST CHINA NORMAL UNIVERSITY

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"Never forget why you started, and your mission can be accomplished."

Short Bio

Dr. Wei Zhang is currently an associate professor in School of Computer Science and Technology at East China Normal University. He obtained the B.E. degree from Harbin Institute of Technology in 2011, and the Ph.D. degree from Tsinghua University in 2016, under the supervision of Prof. Jianyong Wang. From Jan. 2015 to July 2015, he studied University of Illinois Urbana-Champaign, USA, as a visiting Ph.D. student under the supervision of Prof. Jiawei Han. He joined East China Normal University since July 2016.

Research Interest

My primary research areas are Data Mining and Machine Learning Applications. Specifically, my current research interests are as follows:
- User Behavior Modeling and Prediction
- User Text Mining and Sentiment Analysis
- Representation Learning for Personalization

Selected Publication

* CORRESPONDING AUTHOR [**FULL LIST**]

- Zhuo Wang, **Wei Zhang***, Ning Liu, Jianyong Wang*. Transparent Classification with Multilayer Logical Perceptrons and Random Binarization. To Appear in AAAI Conference on Artificial Intelligence, 2020. (**AAAI**, Full Paper, CCF-A)
- **Wei Zhang**, Yue Ying, Pan Lu, Hongyuan Zha. Learning Long- and Short-Term User Literal-Preference with Multimodal Hierarchical Transformer Network for Personalized Image Caption. To Appear in AAAI Conference on Artificial Intelligence, 2020. (**AAAI**, Full Paper, CCF-A)
- Qianming Xue, **Wei Zhang***, Hongyuan Zha. Improving Domain-Adapted Sentiment Classification by Deep Adversarial Mutual Learning. To Appear in AAAI Conference on Artificial Intelligence, 2020. (**AAAI**, Full Paper, CCF-A)
- Ning Liu, Pan Lu, **Wei Zhang***, Jianyong Wang. Knowledge-Aware Deep Dual Networks for Text-Based Mortality Prediction. IEEE International Conference on Data Engineering, 2019. (**ICDE**, Full Paper, CCF-A)
- Lu Wang, **Wei Zhang***, Xiaofeng He*, Hongyuan Zha. Supervised Reinforcement Learning with Recurrent Neural Network for Dynamic Treatment Recommendation. ACM SIGKDD Conference on Knowledge Discovery and Pattern Mining, 2018. (**KDD**, Full Paper, CCF-A)
- Pan Lu, Lei Ji, **Wei Zhang***, Nan Duan, Ming Zhou, Jianyong Wang. R-VQA: Learning Visual Relation Facts with Semantic Attention for Visual Question Answering. ACM SIGKDD Conference on Knowledge Discovery and Pattern Mining, 2018. (**KDD**, Full Paper, CCF-A)
- Jianhua Yin, Daren Chao, Zhongkun Liu, **Wei Zhang***, Xiaohui Yu, Jianyong Wang. Model-based Clustering of Short Text Streams. ACM SIGKDD Conference on Knowledge Discovery and Pattern Mining, 2018. (**KDD**, Full Paper, CCF-A)
- Wenwei Liang, **Wei Zhang***, Bo Jin, Jiangjiang Xu, Linhua Shu, Hongyuan Zha. Learning to Detect Pathogenic Microorganism of Community-acquired Pneumonia. ACM SIGIR Conference on Research and Development in Information Retrieval, 2018. (**SIGIR**, Short Paper, CCF-A)
- Wen Wang, **Wei Zhang***, Jun Wang, Junchi Yan, Hongyuan Zha. Learning Sequential Correlation for User Generated Textual Content Popularity Prediction. International Joint Conference on Artificial Intelligence, 2018. (**IJCAI**, Full Paper, CCF-A)
- **Wei Zhang**, Wen Wang, Jun Wang, Hongyuan Zha. User-guided Hierarchical Attention Network for Multi-modal Social Image Popularity Prediction. the Web Conference 2018, 2018. (**TheWebConf**, Full Paper, CCF-A)
- Pan Lu, Hongsheng Li, **Wei Zhang**, Jianyong Wang, Xiaogang Wang. Co-attending Free-form Regions and Detections with Multi-modal Multiplicative Feature Embedding for Visual Question Answering. AAAI Conference on Artificial Intelligence, 2018. (**AAAI**, Full Paper, CCF-A)
- Quan Yuan, **Wei Zhang**, Chao Zhang, Xinhe Geng, Gao Cong, Jiawei Han. Integrating Topic and Latent Factors for Scalable Personalized Review-based Rating Prediction. ACM International Conference on Web Search and Data Mining, 2017. (**WSDM**, Full Paper)
- **Wei Zhang**, Jianyong Wang. Integrating Topic and Latent Factors for Scalable Personalized Review-based Rating Prediction. IEEE Transactions on Knowledge and Data Engineering, 2016. (**TKDE**, Full Paper, CCF-A)
- **Wei Zhang**, Quan Yuan, Jiawei Han, Jianyong Wang. Collaborative Multi-Level Embedding Learning from Reviews for Rating Prediction. International Joint Conference on Artificial Intelligence, 2016. (**IJCAI**, Full Paper, CCF-A)
- **Wei Zhang**, Jianyong Wang. A Location and Time Aware Social Collaborative Retrieval Approach for New Successive Point-of-Interest Recommendation. ACM International Conference on Information and Knowledge Management, 2015. (**CIKM**, Full Paper)
- **Wei Zhang**, Jianyong Wang. Collective Bayesian Poisson Factorization Model for Cold-start Local Event Recommendation. ACM SIGKDD Conference on Knowledge Discovery and Pattern Mining, 2015. (**SIGKDD**, Full Paper, CCF-A)
- **Wei Zhang**, Jianyong Wang. Prior-based Dual Additive Latent Dirichlet Allocation for User-item Connected Documents. International Joint Conference on Artificial Intelligence, 2015. (**IJCAI**, Full Paper, CCF-A)

- Wei Feng, Chao Zhang, **Wei Zhang**, Jiawei Han, Jianyong Wang, Charu Aggarwal, Jianbin Huang. StreamCube: Hierarchical Spatio-temporal Hashtag Clustering for Event Exploration over the Twitter Stream. IEEE International Conference on Data Engineering, 2015. (**ICDE**, Full Paper, CCF-A)
- **Wei Zhang**, Jianyong Wang, Wei Feng. Combining Latent factor Model with Location Features for Event-based Group Recommendation. ACM SIGKDD Conference on Knowledge Discovery and Pattern Mining, 2013. (**SIGKDD**, Full Paper, CCF-A)
- **Wei Zhang**, Wei Feng, Jianyong Wang. Integrating Semantic Relatedness and Words' Intrinsic Features for Keyword Extraction. International Joint Conference on Artificial Intelligence, 2013 (**IJCAI**, Full Paper, CCF-A)

Fundings

National Key Research and Development Program	*2020-2022 (Principle Project Member)*
National Science Foundation of China (NSFC) Youth Program	*2018-2020 (PI)*
Shanghai Sailing Program	*2017-2019 (PI)*

Honors and Awards

2019	**MCEA Young Researcher Travel Grant (4 in total)**,	PAKDD
2017	**Top Performance Award**,	ACM Multimedia Social Media Prediction (SMP) Challenge
2016	**Shanghai Chenguang Scholar**,	Shanghai Municipal Education Commission
2016	**Excellent Doctoral Dissertation**,	Tsinghua University
2016	**Excellent Graduate**,	Beijing City
2015	**National Scholarship**,	Tsinghua University
2013	**10th Place (561 Teams)**,	KDD Cup 2013 - Track 1
2013	**National Scholarship**,	Tsinghua University

Course

Data Mining	for undergraduate: 2018, 2019, 2020
Recommender System	for undergraduate: 2020

Professional Services

Program Committee (PC) Membership

- 2020: TheWebConf, AAAI, WSDM, ICASSP, DASFAA
- 2019: ICDM (Area Chair), KDD, AAAI, CIKM, WSDM, DASFAA, ICASSP, PAKDD
- 2018: KDD, MM, AAAI, WSDM, NAACL, PAKDD, InterSpeech
- 2017: ACL, AAAI, ICASSP
- 2016: NAACL, InterSpeech

Invited Reviewers for Journals
- IEEE Transactions on Knowledge and Data Engineering (TKDE)
- ACM Transactions on Knowledge Discovery from Data (TKDD)
- IEEE Transactions on Neural Networks and Learning Systems (TNNLS)
- World Wide Web Journal (WWWJ)
- ACM Transactions on Asian and Low-Resource Language Information Processing (TALLIP)
- Chinese Journal of Computer
- Journal of Software