Yong ZHANG

Curriculum Vitae

Education

2013–present **PhD student**, *School of ELectrical and Electronic Engineering*, Nanyang Technological University, Singapore, *GPA – 4.92/5.0*.
My research topic focuses on designing efficient and advanced algorithms in machine learning and natural language processing. I have designed and developed several innovative machine learning algorithms for regression and classification with specific applications in natural language processing tasks. My research interests include deep learning, natural language processing, computational intelligence, neural networks, fuzzy systems.

2009–2013 **Bachelor of Engineering**, *School of Electrical Engineering and Automation*, Zhejiang University, China, *GPA – 3.88/4.0*, Honor Graduate.

Honors

2013–2017 Nanyang Research Scholarship

2010–2012 Zhejiang University Excellent Student Awards

2011–2012 First-class Scholarship for Outstanding Student (top 5%)

2012 Wangguosong Scholarship (the most prestigious honor of the school)

2011 Texas Instruments Scholarship

2010 Second-class Scholarship for Outstanding Student (top 15%)

2009 Sichuan Province Excellent Student Leader

Work Experience

07/2016–12/2016 **Intern**, *GroupM*, Largest Media Investment Company across the world.
Participated in the Audience Demography Estimation project which uses machine learning models to predict audience demography based on users' browsing logs for targeted advertising.
- Built web crawler to parse webpages and extract relevant contents and perform website categorizations.
- Exploit bag-of-words model and topic modelling for feature representation.
- Developed various advanced estimation models to predict audience demography attributes, (i.e., gender, age, house income).
- Performed ETL for large volumes of online event-level (user-level) data for data cleansing and preparation.

08/2015–present **Teaching Assistant**, *Nanyang Technological University*.
Performed grading, supervised lab sessions, evaluated final presentations for courses in EEE undergraduate programs in Electric Field, Magnetic Field, Transformer, and Electrical Motor.

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Computer Skills

Adept PYTHON, LaTeX, Matlab, Microsoft office

Basic R, C, C++, Linux, HTML, SQL, Hive

Language

Chinese Native

English Professional working proficiency

Certificates

CFA Passed Level I of the CFA exams

Publications

Journal

1. Yong ZHANG, Meng Joo ER, Rui ZHAO and Mahardhika PRATAMA, "Multi-view Convolutional Neural Networks for Multi-document Extractive Summarization", *Cybernetics, IEEE Transactions on*, 99(2016): 1-13, doi: 10.1109/TCYB.2016.2628402

2. Yong ZHANG, Meng Joo ER, Ning WANG and Mahardhika PRATAMA. "Attention Pooling-based Convolutional Neural Network for Sentence Modelling", *Information Science*, 373(2016): 388-403.

3. Yong ZHANG and Meng Joo ER. "Sequential active learning using meta-cognitive extreme learning machine." *Neurocomputing*, 173(2016): 835-844.

Conference

1. Yong ZHANG, Meng Joo ER, Sundaram SURESH. "Meta-cognitive fuzzy extreme learning machine", in *Proceedings of Control Automation Robotics & Vision (ICARCV), 13th International Conference on. IEEE*, Singapore, 2014: 613-618.

2. Yong ZHANG, Meng Joo ER and Rui ZHAO, "Multi-document Extractive Summarization Using Word Embedding based Extreme Learning Machine", in *Proceedings of Computational Intelligence, IEEE Symposium Series on*, South Africa, 2015: 404-410.

3. Yong ZHANG, Meng Joo ER, Ning WANG and Mahardhika PRATAMA, "Sentiment Classification Using Comprehensive Attention Recurrent Models", in *Proceedings of International Joint Conference on Neural Networks (IJCNN)*, Canada, 2016:1562-1569.

4. Yong ZHANG, Meng Joo ER, "An Extracted Document Summarization Framework Based on Convolutional Neural Networks", in *Proceedings of 42nd Annual Conference of IEEE Industrial Electronics Society (IECON)*, Florence, 2016: 918-922.

Book chapter

1. Meng Joo ER, Fan LIU, Yong ZHANG, Ning WANG and Mahardhika PRATAMA, "User-level Twitter Sentiment Analysis with a Hybrid Approach", in Advances in Neural Networks – ISNN, Springer, 2016, pp. 426-433

2. Meng Joo ER and Yong ZHANG, "Adaptive Modelling and Intelligent Control of a Sodium Nitroprusside (SNP) Delivery System", Artificial Neural Network for Drug Design, Delivery and Disposition , Elsevier, 2015, pp. 333-354