

Long Yunfei

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Birthday: 1991.09.11

Education:

2015.08-	The Hong Kong Polytechnic University	Computer Science	PhD
2013.08-2014.11	University of Edinburgh	Cognitive Science	M.Sc.
2009.09-2013.06	Jilin University	Linguistics (Major) Computer Science(Minor)	B.A/BSC.

Research Experience:

- ◆ **2015.07-Present** **User profile-based sentiment analysis**
 - ✧ Project description: The objective is to automatically assign a piece of text emotional label or rating based on user profiles. .
 - ✧ Main work:
 1. Extracting from discussion forum to construct user profile data.
 2. Learning user representation based on multiple user behaviors.
 3. Solving user sparseness issue based on missing behavior and observed behavior.
 4. Improving deep learning based sentiment analysis though cognition grounded data.
 5. Improving document emotion classification based on cognition grounded data and user profiles.
- ◆ **2015.01-2015.06** **Chinese semantic dictionary editing and retrofitting.**
 - ✧ Project description: Design semi-automatic methods to edit and correct missing items in the Modern Chinese semantic dictionary.
 - ✧ Main work: Defining more than 3000 flawed items in the Modern Chinese semantic dictionary. .
- ◆ **2013.06-2013.09** **Health related automatic information detection in online blog.**
 - ✧ Project description: Design machine learning based methods to detect blogs which contain health-related information.
 - ✧ Main work: Conduct feature engineering method in SVM classifier, include authorship information to the detection algorithm.

Publications

1. MingLei Li, Qin Lu, Dan Xiong, and **Yunfei Long** (Corresponding author) “Phrase Embedding Learning Based on External and Internal Contexts with Compositionality Constraint”. Accepted by Knowledge based system(KBS)
2. **Yunfei Long**, Qin Lu, Rong Xiang, Minglei Li, and Chu-Ren Huang. “A Cognition Based Attention Model for Sentiment Analysis”. In EMNLP 2017.
3. **Yunfei Long**, Qin Lu, Rong Xiang, Minglei Li and Chu-Ren Huang. “Fake News Detection Through Multi-Perspective Speaker Profiles”, In IJCNLP 2017.
4. **Yunfei Long**, Qin Lu, Minglei Li, and Lin Gui. “Hidden Recursive Neural Network for Sentence

Classification.” In Proceedings of CICLING, 2017.

5. **Yunfei Long**, Qin Lu, Yue Xiao, Minglei Li, and Chu Ren Huang. “Domain-Specific User Preference Prediction Based on Multiple User Activities”. In IEEE, Big data 2016.
6. **Yunfei Long**, Dan Xiong, Qin Lu, Minglei Li, and Chu Ren Huang. “Named Entity Recognition for Chinese Novels in the Ming-Qing Dynasties.” In Workshop on Chinese Lexical Semantics (pp. 362-375). Springer International Publishing.
7. I-Hsuan Chen, **Yunfei Long**, Qin Lu and Chu-Ren Huang. “Leveraging Eventive Information for Better Metaphor Detection and Classification”. In ACL-CONLL 2017 (co-first author)
8. Qingqing Zhao, Chu-Ren Huang, and **Yunfei Long**. “Synaesthesia in Chinese: A corpus-based study of gustatory adjectives in Mandarin” To appear in Linguistics.
9. Minglei Li, Qin Lu, **Yunfei Long**, and Lin Gui. “Representation Learning of Multiword Expressions with Compositionality Constraint” In KSEM 2017 (Oral, Best Paper Award).
10. Minglei Li, Qin Lu, and **Yunfei Long**. “Inferring Affective Meanings of Words from Word Embedding.” [Special Issue]. In the Journal of IEEE Transactions on Affective Computing, 2017 (CCF Top Journal).
11. Minglei Li, Qin Lu, **Yunfei Long**, and Lin Gui. “Hidden Recursive Neural Network for Sentence Classification.” In Proceedings of CICLING, 2017.
12. Minglei Li, Da Wang, Qin Lu, and **Yunfei Long**. “Event Based Emotion Classification for News Articles.” In Proceedings of PACLIC, 2016.
13. Minglei Li, **Yunfei Long**, Qin Lu. “A Regression Approach to Valence-Arousal Ratings of Words from Word Embedding.” In Proceedings of IALP, 2016 (Oral, Best Paper Award).
14. Minglei Li, Qin Lu, Lin Gui, **Yunfei Long**. “Towards Scalable Emotion Classification in Microblog Based on Noisy Training Data.” In Proceedings of CCL 2016. (Poster)
15. Minglei Li, **Yunfei Long**, Qin Lu. “Emotion Corpus Construction Based on Selection from Noisy Natural Labels”. In Proceedings of LREC, 2016. (Poster)

Awards:

2009.09-2018.03	National Scholarship, National Encouragement Scholarship, Excellent Undergraduate student, The Second Award of 2015 China Conference of Machine Learning Contest. Best Paper Award of IALP 2016, Best Paper Award of KSEM 2017.
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Personal Skills

◆ Specialty:	Familiar with machine learning models, deep learning models, NLP techniques, Cognition model, Cognitive experiments, and tools. Familiar with Python, embedded system, Linux and shell, Java programming. Familiar with web design.
◆ English:	IELTS 7.0, Proficient in reading and listening, Good at writing and speaking.
◆ Others:	Cantonese

Hobbies

◆ Others:	Reading, Writing, Jogging, Table Tennis, and Video games.
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