

Long Yunfei

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Birthday: 1991.09.11

Education:

2015.08-2018.08	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/emotion analysis**
 - ✧ **Project description:** The objective is to automatically assign a piece of text emotional label or rating based on user profiles. .
 - ✧ **Main work:**
 1. Building user profile dataset and sentiment analysis dataset from multiple domains.
 2. Solving user sparseness issue in user profiling.
 3. Improving document emotion classification based on cognition grounded eye tracking data and user profiles.
 4. Involved with other AI and data mining project, like Internet of Vehicles, Automatic Customer service evaluation.
- ◆ **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:** Extract more than 3000 flawed items in the Modern Chinese semantic dictionary, manually changed and updated.
- ◆ **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:** Build a SVM classifier based topic detection system, using feature engineering methods to include authorship information to the detection algorithm.

Selected Publications

1. Minglei Li, Qin Lu, Dan Xiong, and **Yunfei Long (Corresponding author)** “Phrase embedding learning based on external and internal context with compositionality constraint”, Knowledge-Based Systems (2018) (SCI IF:4.529)
2. **Yunfei Long**, Mingyu Ma, Qin Lu, Rong Xiang, and Chu-Ren Huang. “Dual Memory Network Model for Biased Product Review Classification”, To appear in 2018 EMNLP 9th Workshop on Computational Approaches to Subjectivity, Sentiment and Social Media Analysis

3. **Yunfei Long**, Qin Lu, Rong Xiang, Minglei Li, and Chu-Ren Huang. "A Cognition Based Attention Model for Sentiment Analysis". In EMNLP 2017.
4. **Yunfei Long**, Qin Lu, Rong Xiang, Minglei Li and Chu-Ren Huang. "Fake News Detection Through Multi-Perspective Speaker Profiles", In IJCNLP 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**, Rong Xiang, Qin Lu, Dan Xiong, Chenlin Bi, Chu-Ren Huang, and Minglei Li: "Learning Heterogeneous Network Embedding from Text and Links", Accepted by IEEE Access (SCI IF: 3.577)
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" Linguistics (SSCI IF:0.644).
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 (SCI IF:3.149).
11. 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).

Awards:

2009.09-2018.09	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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Professional services

2015	Reviewer for CCIR (China Conference on Information Retrieval)
2016	Reviewer for CCL (China National Conference on Computational Linguistics), COLING
2017	Reviewer for CCL, NLPCC
2018	Reviewer for COLING (International Conference on Computational Linguistics) Journal reviewer for TALIP, IEEE Access, and Journal of Experimental & Theoretical Artificial Intelligence Keynote speaker for The First International Conference on AI Humanities Organization committee for LiNCR workshop in LREC Mentor in BigDatathon 2018, Hong Kong

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:	Fluent speaker in Cantonese