YUNFEI LONG, PhD

CONTACT

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EDUCATION

BSC in Computer Science — Sep 2009 — Jul 2013

JiLin University

MSC in Cognitive Science — Sep 2013 — Nov 2014

University of Edinburgh

Main research topic: Automatic health related topic extraction from text

PhD in Natural Language Processing — Jul 2015 — Dec 2018

The Hong Kong Polytechnic University

Main research topic 1: User profile modeling and affective analysis
Main research topic 2 Synaesthesia, metaphor, and irony detection.

PROJECTS

·National Natural Science Foundation of China: Research on Key Technology of Chinese All-Word Sense Tagging (2015-2016)

·Hong Kong General Research Funding: Acquisition of Chinese Commonsense Knowledge for Emotion Analysis (2015-2018)

·Nottingham Biomedical Research Center mental health&technology theme: Accessing Online Data for Mental Health Research: Meeting the Ethical Challenges (2019-)

WORK EXPERIENCE

Nanjing Normal University — Dec 2014 — Jun 2015

Research Assistant

- Editing Chinese Modern Semantic Dictionary
- Developing Chinese Dependency Parsing System
- Preparing weekly supervision meeting with Master of Science Student

The Hong Kong Polytechnic University — Jun 2018 — Dec 2018

Research Associate (Part time)

- User profile and representation construction
- Solving user sparseness issue based on missing behavior and observed behavior.
- Improving deep learning based sentiment analysis thoughcognition grounded data.

Entrepreneur First Investment — Jul 2018 — Nov 2018

Entrepreneur First HK cohort member

- Supporting startup companies building their idea to combine Natural language processing with industry application, discussing and developing ideas with Neurum, the workplace mental wellbeing service company,

Xenzone Limited — Mar 2019 — Present

Consultant member

- Analyzing the youth mental health peer to peer discussion forum data, perform statistical analysis, and interview human moderators.
- Propose a model to automatic moderate the peer-to-peer discussion forum. Run the experiment and do case analysis about the proposed automatic moderate model.
- Collect feedback from both tech team and human moderators, seek the further solution to improve the automatic moderate model.

RESEARCH INTERESTS

NLP in mental health, Automatic moderation, Affective Computing,Fairness machine learning and text mining

PUBLICATIONS

Zhou, J., Lu, Q., Gui, L., Xu, R., Long, Y., & Wang, H. (2019). MTTFsite: Cross-cell-type TF Binding Site Prediction by using Multi-task Learning. *Bioinformatics*.

Long, Y., Ma, M., Lu, Q., Xiang, R., Huang, C. R& Pérez, E., (2019). Dual Memory Network Model for Sentiment Analysis of Review Text. *Knowledge based System (Under reviewing, Minor revision)*.

Long, Y., Xiang, R., Lu, Q., Huang, C. R., & Li, M. (2019). Improving attention model based on cognition grounded data for sentiment analysis. *IEEE Transactions on Affective Computing*.

Zhao, Q., Huang, C. R., & Long, Y. (2018). Synaesthesia in Chinese: A corpus-based study on gustatory adjectives in Mandarin. *Linguistics*, *56*(5), 1167-1194.

Long, Y., Xiang, R., Lu, Q., Xiong, D., Huang, C. R., Bi, C., & Li, M. (2018). Learning heterogeneous network embedding from text and links. *IEEE access*, *6*, 55850-55860.

Long, Y., Qin, L., Xiang, R., Li, M., & Huang, C. R. (2017, September). A cognition based attention model for sentiment analysis. In *Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing* (pp. 462-471).

Long, Y., Lu, Q., Xiang, R., Li, M., & Huang, C. R. (2017, November). Fake news detection through multi-perspective speaker profiles. In *Proceedings of the Eighth International Joint Conference on Natural Language Processing (Volume 2: Short Papers)* (pp. 252-256).

Li, M., Lu, Q., Long, Y., & Gui, L. (2017). Inferring affective meanings of words from word embedding. *IEEE Transactions on Affective Computing*, *8*(4), 443-456.