

YUNFEI LONG, PhD

CONTACT

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EDUCATION

PhD in Computer Science Jul 2015 — Dec 2018
 The Hong Kong Polytechnic University, Department of Computing
 Thesis: A Study on Using Personal Profiles for a Biased Reader Emotion Prediction Model

PROJECTS

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

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

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

WORK EXPERIENCE

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
Consultant member

- Analyzing the youth mental health peer to peer discussion forum data, perform statistical analysis, and interview human moderators.
- Developing automatic moderation model the peer-to-peer discussion forum.
- Collect feedback from both tech team and human moderators, seek the further solution to improve the automatic moderate model.

University of Nottingham Jan 2019 — Present
Research Fellow

- Project management: Defining research objectives in collaboration with and under guidance of senior colleagues, managing resources in order to achieve research outputs, organising and participating in meetings with other research staff to clarify objectives, collaborating with other project team members from Kooth.com and industry/other partners in Horizon, NIHR BRC, and MindTech.
- Research activities: Use of relevant literature to develop research plans and interpret findings. Perform research into NSL to optimise Kooth's censorship system and perform linguistic analysis of online text-based conversations.
- Publications: Writing research reports and papers in order to disseminate research results and develop a track record of published research findings in internationally respected peer-reviewed journals. Dissemination of results through presentations at international meetings, conferences and seminars
- Proposals writing and grant application: Contribute to new research projects in support of Horizon, Nottingham BRC, and MindTech. To develop new solutions to related problems, in order to further knowledge in the area of research.
- Public Awareness. Involved in the delivery of lectures and workshops, to a range of audiences in support of the Horizon Dissemination & Impact Strategy.

RESEARCH INTERESTS	NLP in mental health and Legal services, Automatic moderation, Affective Computing, Fairness machine learning and text mining
PROFESSIONAL SERVICE	<p>Reviewer of : IEEE Access, Expert systems with Application, ACM Transactions on Asian Language Information Processing (TALIP), COLING 2016, 2018, CLSW 2016-2018, PACLIC 2016-2018, EMNLP 2019, AAAI 2020</p> <p>Involved grant applications:</p> <p>Canada-UK Artificial Intelligence Initiative: building competitive and resilient economies and societies through responsible AI</p> <p>Responsible Natural Language Processing for Intelligent Interfaces</p>
PUBLICATIONS	<p>As first author or Corresponding author:</p> <p>Shen, J., Ma, M. D., Xiang, R., Lu, Q., Vallejos, E. P., Xu, G., & Long, Y. (2019). Dual memory network model for sentiment analysis of review text. <i>Knowledge-Based Systems</i>, 105004.</p> <p>Xiang, R., Liu, Q., Jiao, Y., Zheng, Y., Ying, W., & Long, Y. (2019). Leveraging Writing Systems Changes for Deep Learning Based Chinese Affective Analysis.</p> <p>Long, Y., Xiang, R., Lu, Q., Huang, C. R., & Li, M. (2019). Improving attention model based on cognition grounded data for sentiment analysis. <i>IEEE Transactions on Affective Computing</i>.</p> <p>Long, Y., Xiang, R., Lu, Q., Xiong, D., Huang, C. R., Bi, C., & Li, M. (2018). Learning heterogeneous network embedding from text and links. <i>IEEE access</i>, 6, 55850-55860.</p> <p>Long, Y., Qin, L., Xiang, R., Li, M., & Huang, C. R. (2017, September). A cognition based attention model for sentiment analysis. In <i>Proceedings of the 2017 Conference on Empirical Methods in Natural Language Processing</i> (pp. 462-471).</p> <p>Long, Y., Lu, Q., Xiang, R., Li, M., & Huang, C. R. (2017, November). Fake news detection through multi-perspective speaker profiles. In <i>Proceedings of the Eighth International Joint Conference on Natural Language Processing (Volume 2: Short Papers)</i> (pp. 252-256).</p> <p>Li, M., Lu, Q., Xiong, D., & Long, Y. (2018). Phrase embedding learning based on external and internal context with compositionality constraint. <i>Knowledge-Based Systems</i>, 152, 107-116.</p> <p>As co-author:</p> <p>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. <i>Bioinformatics</i>.</p> <p>Zhao, Q., Huang, C. R., & Long, Y. (2018). Synaesthesia in Chinese: A corpus-based study on gustatory adjectives in Mandarin. <i>Linguistics</i>, 56(5), 1167-1194.</p> <p>Li, M., Lu, Q., Long, Y., & Gui, L. (2017). Inferring affective meanings of words from word embedding. <i>IEEE Transactions on Affective Computing</i>, 8(4), 443-456.</p>