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| **Dr Yunfei Long** | | |  | | | |
| Senior Lecturer, School of Electronic Engineering and Computer Science, Queen Mary University of London | | |  | | | |
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| Google Scholar: | [scholar.google.co.uk/citations?hl=en&user=2gKA6BUAAAAJ&view\_op=list\_works&sortby=pubdate](https://scholar.google.co.uk/citations?hl=en&user=2gKA6BUAAAAJ&view_op=list_works&sortby=pubdate) | |  | | | |
| **Overview** |  |  |  | | | |
| My research is focused on Neuro-Cognitive NLP and Language modeling, currently, I have three research threads:  1: Applying linguistic knowledge bases to fundamental NLP models, including LLMs.  2: NLP applications in healthcare, mental health, and digital wellbeing.  3: Affective analysis and misinformation detection based on text and multimodality data. | | |  | | | |
| **Memberships** | | | | |  |  |
| Area chair of EMNLP 2023, Regular member of ACL | | | | | 2023-2025 |  |
| LREC-COLING 2024 conference workshop co-chairs | | | | | 2023-2024 |  |
| Area Chair of CCL 2023, Regular member of IEEE | | | | | 2022 |  |
| Fellow of Advance HE (FHEA) | | | | | 2023 |  |
| **Teaching and supervision** | | | | |  |  |
| **Modules taught** | | | | |  |  |
| Natural Language Engineering | | | | | 2020-2024 |  |
| Text analytics | | | | | 2023 |  |
| **Research-based degree supervisions/Topics** | | | | |  |  |
| Zhang Jinming: Game AI based on LLM | | | | | 2024-present |  |
| Xia Yuhan: Hate speech detection and ICD classification | | | | | 2023-present |  |
| Qu Genghui: Clinical recommendation system for MSK patient | | | | | 2023-present |  |
| Huang Guangming: Clinical text classification and medical Q/A system | | | | | 2022-present |  |
| Jacutprakart J: Medical Image analysis | | | | | 2020-present |  |
| **Postdoc Research Fellow supervision** | | | | |  |  |
| Peiling Yi: misinformation detection and cyberbullying identification | | | | | 2024-present |  |
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| **Professional Activity** | | | | |  |  |
| **Editorial Board Memberships** | | | | |  |  |
| Computational and Structural Biotechnology Journal | | | | | 2023-present |  |
| **Selected Journal reviewing / refereeing** | | | | |  |  |
| IEEE Transactions on Big Data, Neural Processing Letters, Knowledge and Information Systems, ACM Transactions on Information Systems, Journal of Healthcare Informatics Research, Information Processing and Management | | | | | 2023-present |  |
| Pattern Analysis and Applications, IEEE Transactions on Affective Computing | | | | | 2022-present |  |
| ACM Transactions on Multimedia Computing Communications and Applications | | | | | 2021-present |  |
| Journal of the Association for Information Science and Technology, WILEY | | | | | 2019-present |  |

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| **Grants** |  |
| Innovate UK, LLM based Eco Benefit report generation, Dec 2023, £32,985, PI | 2024-present |
| Innovate UK-Gelogix KTP on automatic environmental case generation, £232,359, PI | 2025-present |
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| Alan Turing Institute, Improving multimodality misinformation detection with affective analysis, £232,359, PI | 2024-present |
| Innovate UK, Develop a 'Job Discovery' NLP Chatbot to enhance candidate advice and access to opportunities on an organization's career page, £294,451, Academic Support | 2023-present |
| Innovate UK, Iceni Projects Ltd for LLM based auto planning, £252,276 | 2023-present |
| University of Essex: Leveraging knowledge base for automatic explainable ICD Coding, £7000, PI | 2023-present |
| Innovate UK, Healthshare Limited KTP for clinical recommendation system £255,681 | 2022-2024 |
| Innovate UK, Horus Security KTP for misinformation and event detection, £247,290 | 2022-2024 |
| EPRSC, ExTRA-PPOLATE (Explainable Therapy Related Annotations: Patient & Practitioner Oriented Learning Assisting Trust & Engagement), £51,000 | 2020-2021 |
| Innovate UK, Mondaq KTP for legal AI, £248,656 (2023 Lasting Impact award) | 2019-2022 |

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| **Selected Publications in the last five years**  Zhao, Q., Xia, Y., Long, Y., Xu, G., & Wang, J. (2025). Leveraging sensory knowledge into Text-to-Text Transfer Transformer for enhanced emotion analysis. *Information Processing & Management*, 62(1), 103876. |
| Huang, C. R., Zhao, Q., Ahrens, K., Wang, Z., & Long, Y. (2025). Linguistic synesthesia and embodiment: A study based on Mandarin modality exclusivity norms. Language Sciences, 109, 101715. |
| Zhang, J., & Long, Y. (2025, January). MLD-EA: Check and Complete Narrative Coherence by Introducing Emotions and Actions. In *Proceedings of the 31st International Conference on Computational Linguistics* (pp. 1892-1907). |
| Huang, G., Long, Y., Luo, C., Shen, J., & Sun, X. (2024). Prompting Explicit and Implicit Knowledge for Multi-hop Question Answering Based on Human Reading Process. In *Proceedings of the lrec-coling 2024*. Torino (Italia).  Zhao, Q., Long, Y., Jiang, X., Wang, Z., Huang, C. -R., & Zhou, G. (2023.). Linguistic Synesthesia Detection: Leveraging Culturally Enriched Linguistic Features. Natural Language Processing (previously Natural Language Engineering). Retrieved from <https://www.cambridge.org/> |
| Lu, Q., Long, Y., Sun, X., Feng, J., & Zhang, H. (2024). Fact-sentiment Incongruity Combination Network for Multimodal Sarcasm Detection. *Information Fusion*, (104). doi:[10.1016/j.inffus.2023.102203](http://doi.org/10.1016/j.inffus.2023.102203) |
| Lu, Q., Sun, X., Long, Y., Gao, Z., Feng, J., & Sun, T. (2023). Sentiment Analysis: Comprehensive Reviews, Recent Advances, and Open Challenges. *IEEE Transactions on Neural Networks and Learning Systems*. doi:[10.1109/TNNLS.2023.3294810](http://doi.org/10.1109/TNNLS.2023.3294810) |
| Malins, S., Figueredo, G., Jilani, T., Long, Y., Andrews, J., Rawsthorne, M., . . . Moghaddam, N. (2022).  Developing an Automated Assessment of In-session Patient Activation for Psychological Therapy: Codevelopment Approach.. *JMIR Medical Informatics*, *10*(11). doi:[10.2196/38168](http://doi.org/10.2196/38168) |
| Ito-Jaeger, S., Perez Vallejos, E., Curran, T., Spors, V., Long, Y., Liguori, A., . . . Crawford, P. (2021.). Digital video interventions and mental health literacy among young people: a scoping review.. *Journal of Mental Health*. doi:[10.1080/09638237.2021.1922642](http://doi.org/10.1080/09638237.2021.1922642) |
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