Jiang Wenhao (姜文浩)

Personal Information

Affiliation:	Faculty of Computing, Harbin Institute of Technology
Research Interests:	Artificial Intelligence, Natural Language Processing, Signal Processing
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Education

Mar 2020 – Sep 2025	**Harbin Institute of Technology**	**Harbin**
	Ph.D. candidate Computer Science	
	● Co-supervised by Prof. Zhao Tiejun and Prof. Li Haifeng	
Aug 2016 - Dec 2018	**The University of Hong Kong**	**Hong Kong**
	MSc. Computer Science	
	● Supervised by Dr. Dirk Schnieders	
Sep 2012 - Jul 2016	**Harbin Institute of Technology**	**Harbin**
	B.Eng. Software Engineering	

Work Experience

Jun 2019 - Sep 2019	Yiwei Medical Technology, Inc.: Medical AI Researcher	Shenzhen
May 2018 - Jun 2019	The University of Hong Kong: Research Assistant	Hong Kong
Sep 2017 - Feb 2018	Lenovo Research AI Lab, Beijing: Researcher Intern	Beijing

Publications

1. **Jiang, W.**, Liu, Q., Wang, K., Ding, S., Bo, H., Xu, C., ..., **Zhao, T.**, & Li, H. (2024). Multimodal Brain Signal Analysis with State-Space Modeling: A Study on Working Memory. In 2024 IEEE International Conference on Bioinformatics and Biomedicine (**BIBM**) (pp. 3351-3356). IEEE.

2. **Jiang, W.**, Lin, Z., Wang, K., Ding, S., Fang, C., Bo, H., ... & Li, H. (2024). Exploring the Neural Dynamics in Temporal Lobe Epilepsy: A Study using Transformer and Hidden Markov Models. In 2024 IEEE International Conference on Bioinformatics and Biomedicine (**BIBM**) (pp. 1526-1531). IEEE.

3. **Jiang, W.**, Ma, L., & Li, H. (2024). Graph Network Modeling of Brain Connectivity: An Exploration of Word and Object Recognition Tasks. In 2024 IEEE 17th International Conference on Signal Processing (**ICSP**) (pp. 692-696). IEEE.

4. **Jiang, W.**, Ding, S., Xu, C., Ke, H., Bo, H., **Zhao, T.**, Ma, L., & Li, H. (2023). Discovering the neuronal dynamics in major depressive disorder using Hidden Markov Model. Frontiers in Human Neuroscience, 17, 1197613.

5. **Jiang, W.**, Lin, F., Zhang, J., Zhan, T., Cao, P., & Wang, S. (2020). Deep-Learning-Based Segmentation and Localization of White Matter Hyperintensities on Magnetic Resonance Images. **Interdisciplinary Sciences: Computational Life Sciences**, 1-9.

6. Liu, Q., Xu, C., **Jiang, W.**, Wang, K., Ma, L., & Li, H. (2025). TimeStacker: A Novel Framework with Multilevel Observation for Capturing Nonstationary Patterns in Time Series Forecasting. In 42nd International Conference on Machine Learning (**ICML**).

7. Luo, G., Zhao, N., **Jiang, W.**, Hui, E. S., & Cao, P. (2020). MRI reconstruction using deep Bayesian estimation. **Magnetic resonance in medicine**, 84(4), 2246-2261.

8. **Jiang, W.**, Lee, K. H., Liu, Z., Fan, Y., Kwok, K. W., & Lee, A. P. W. (2019). Deep learning algorithms to automate left ventricular ejection fraction assessments on 2-dimensional echocardiography. **Journal of the American College of Cardiology**, 73(9S1), 1610-1610.

Projects

1. 2022-2025, National Key R&D Program of China (No. 2022YFC3301800), Project Contact.
2. 2022-2026, The Beijing Science and Technology Plan Project (No. Z221100007422041), Participant.
3. 2021-2023, Key R&D Program of Heilongjiang Province (No. GY2021ZB0206), Participant.
4. 2021-2024, National Natural Science Foundation of China, Key Program (No. U20A20383), Participant.
5. 2020-2023, National Key R&D Program of China (No. 2020YFC0833204), Participant.
6. 2018-2021, National Key R&D Program of China (No. 2018YFC0806800), Participant.

Academic Service

- **Program Committee Member**
  - IEEE International Conference on Bioinformatics and Biomedicine (BIBM), 2024, 2025
  - The Annual Meeting of the Cognitive Science Society (CogSci), 2024, 2025
- **Journal Reviewer**
  - Interdisciplinary Sciences: Computational Life Sciences (INSC), **Excellent Reviewer Award**, 2023-present
  - Biomedical Signal Processing and Control (BSCP), 2024-present
  - IEEE Transactions on Fuzzy Systems (TFS), 2025-present
- **Conference Reviewer**
  - Conference on Neural Information Processing-Systems (NeurIPS), 2024
  - The 39th Annual AAAI Conference on Artificial Intelligence (AAAI), 2025