JINCHAO LI

jinchaoli.com | jcli@se.cuhk.edu.hk | +86-17721500797 | JinchaoLove

SHORT BIO

Jinchao Li is a Ph.D. candidate in The Chinese University of Hong Kong, advised by Prof. Helen Meng. He obtained a B.S. from Nanjing University, advised by Prof. Jing Lu. His research centers on multimodal AI (speech, language, vision) for social good, with a particular focus on detecting Neurocognitive Disorders (NCD), including Alzheimer's Disease (AD). His doctoral work introduces a multimodal and multilevel framework for holistic and reliable NCD Detection from visual-stimulated narratives.

EDUCATION

- Ph.D. | The Chinese University of Hong Kong — Aug. 2019 – May 2026 (expected)
  Information Science @SEEM, advised by Prof. Helen Meng (Fellow of ISCA and IEEE) — Hong Kong SAR
- B.S. | Nanjing University — Sep. 2015 – Jun. 2019
  Acoustics @Physics (major, GPA Top-1) & EE (minor), advised by Prof. Jing Lu — Nanjing, China

HONORS & AWARDS

- Winner of The ACII Affective Vocal Bursts Competition (Two tracks) — 2022
- Excellent Undergraduate Thesis, Nanjing University — 2019
- Meritorious Winner Prize in National/American Mathematical Contest in Modeling — 2017/2018
- National Scholarship, the Ministry of Education in China — 2017

RESEARCH EXPERIENCE

- **Alzheimer's Disease (AD) Detection** | Microsoft Research Asia & CUHK-HCCL — Jun. - Nov. 2022 / Jun. 2020 – Present
  Multilevel cognitive-linguistic modeling with multi-modalities (speech, text, vision) for AD detection.
- **Speech-Large Language Model** (Intern) | Alibaba DAMO Academy — Aug. - Nov. 2023
  Developed a modular speech integration framework for LLMs to enhance emotional and personalized dialogue capabilities.
- **The ACII Affective Vocal Bursts Competition** | Hume AI — Jul. 2022 – Sep. 2022
  Multi-culture affect prediction, achieving 1st place in TWO & CULTURE tasks and 2nd place in the HIGH task.
- **Emotion Recognition (ER)** (Intern) | Tencent — Oct. 2021 – May 2022
  Multimodal ER using context information and attention mechanism, achieving SOTA results on IEMOCAP.

ACADEMIC EXPERTISE

- **Professional Service:**
  - Peer reviewer of top-tier venues including TASLP (journal), ICASSP, INTERSPEECH, COLING, etc.
  - Associate organizing chair of 2023 International Docotoral Forum (responsible for organizing the review process)
- **Teaching Experience:**
  - Co-teacher of graduate course "Conversational AI systems" (ASR section), CUHK (Fall 2022).
  - Teaching assistant of undergraduate course "Linear Algebra for Engineers", CUHK (Every Term 2, 2019–2023).
- **Programming:** Proficient in Python; experienced in MATLAB, Shell and others.

SELECTED PUBLICATIONS (* indicates equal contributions. For more collaborative publications:)

- **Li, L.***, Wang, Y.*, Li, J.*, Kang, J.*, Zheng, B., Wong, K.H., Mak, B., Fung, H., Woo, J., Mak, M.W., Kwok, T., Mok, V., Gong, X., Wu, X., Liu, X., Wong, P., Meng, H. (2025). Detecting Neurocognitive Disorders through Analyses of Topic Evolution and Cross-modal Consistency in Visual-Stimulated Narratives. *IEEE Journal of Selected Topics in Signal Processing*. JCR: Q1
- Li, J.*, **Li J.***, Wong, K.H., Wu, X., Meng, H. (2025). Generate, Align and Predict (GAP): Detecting Neurocognitive Disorders via Cross-modal Consistency in Narratives." *ACM Multimedia*.
- **Li, J.**, Wu, X., Song, K., Li, D., Wu, X., Liu, X., Meng, H. (2023). A Hierarchical Regression Chain Framework for Affective Vocal Burst Recognition. *IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*.
- **Li, J.**, Song, K., Li, J., Zheng, B., Li, D., Wu, X., Liu, X., Meng, H. (2023). Leveraging Pretrained Representations With Task-Related Keywords for Alzheimer's Disease Detection. *IEEE ICASSP*.
- **Li, J.**, Wang, S., Chao, Y., Liu, X., Meng, H. (2022). Context-aware Multimodal Fusion for Emotion Recognition. *ISCA Interspeech*.
- **Li, J.**, Yu, J., Ye, Z., Wong, K.H., Mak, M.W., Mak, B., Liu, X., Meng, H. (2021). A Comparative Study of Acoustic and Linguistic Features Classification for Alzheimer's Disease Detection. *IEEE ICASSP*.