Junjie Li
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Github
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EDUCATION

- **The Hong Kong Polytechnic University** **(May 2024-Present)**
  Ph.D./ Department of Electrical and Electronic Engineering/ Faculty of Engineering
- **Tianjin University** **(Sep 2020-Mar 2023)**
  Master/ Computer Technology/ College of Intellgence and Computing
- **Tiangong University** **(Sep 2016-Jun 2020)**
  Bachelor/ Computer Science and Technology/ School of Computer Science and Technology
  GPA: 3.59/4

INTERNSHIP EXPERIENCE

- **The Chinese University of Hong Kong (Shenzhen)** (Apr 2023-Apr 2024)
  - Project
    - Audio-Visual Target Speaker Extraction
    - Audio-only Target Speaker Extraction
  - Patent
    - Multi-modal Target Speaker Extraction Based on Visual Cue Decoupling
- **Alibaba DAMO Academy** (Jun 2022-Dec 2022)
  - Single channel speech enhancement
  - Robust automatic speech recognition
- **Huawei** (Nov 2021-Jan 2022)
  - Multi-channel multi-talker speech separation
    - Algorithm design
    - Data simulation
  - Acoustic echo cancellation
    - Algorithm design
    - Data simulation

PUBLICATIONS

- **J. Li** and D. Liu, "Information bottleneck theory on convolutional neural networks," Neural Processing Letters, vol. 53, no. 2, pp. 1385–1400, 2021. (JCR Q3)

- **J. Li**, M. Ge, et al. VCSE: Time-Domain Visual-Contextual Speaker Extraction Network. Proc. INTERSPEECH 2022, 906-910, doi: 10.21437/Interspeech.2022-11183.
- **J. Li**, M. Ge, et al. "Deep Multi-task Cascaded Acoustic Echo Cancellation and Noise Suppression," 2022 13th ISCSLP, pp. 130-134, doi: 10.1109/ISCSLP57327.2022.10037852.
- **J. Li**, M. Ge, et al. Rethinking the Visual Cues in Audio-Visual Speaker Extraction. Proc. INTERSPEECH 2023, 3754-3758, doi: 10.21437/Interspeech.2023-2545.
- **J. Li**, R. Tao, et al. "Audio-Visual Active Speaker Extraction for Sparsely Overlapped Multi-talker Speech," ICASSP 2024, pp. 10666-10670, doi: 10.1109/ICASSP48485.2024.10448398.
- H. Wang, Y. Fu, **J. Li**, M. Ge, L. Wang and X. Qian, "Stream Attention Based U-Net for L3DAS23 Challenge," ICASSP 2023, pp. 1-2, doi: 10.1109/ICASSP49357.2023.10095854.
- R. Tao, X. Qian, Y. Jiang, **J. Li**, J. Wang and H. Li, Subtracting the unseen sounds: Reverse auditory selective hearing in audio-visual target speaker extraction. (Submitted to TASLP).
- WeSep: A Scalable and Flexible Toolkit Towards Generalizable Target Speaker Extraction (Accepted by Interspeech 2024)

AWARDS

- 2016-2017 President's Scholarship Second Class (top 7%)
- 2016-2017 Merit Student (top 5%)
- 2017-2018 President's Scholarship Third Class (top 15%)
- 2018-2019 President's Scholarship Third Class (top 15%)
- 2018-2019 Merit Student (top 5%)
- 2020 Outstanding Graduate Award (top 5%)