

Jiawei Li

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Education

- 2021 - **Ph.D. candidate** ShanghaiTech University, Shanghai, China
Computer Science and Technology, School of Information Science and Technology
GPA:3.4
Advisor: Yuanning Li
- 2017 - 2021 **B.S.** Harbin Institute of Technology, Weihai, Shandong
Computer Science and Technology, School of Computer Science and Technology
GPA:3.5

Work Experience

- **Teaching assistant**
2022.9-2022.12 ShanghaiTech University, Shanghai, China.
BME2111 Neural Signal Processing and Data Analysis (BME graduate course)

Research Interests

- Neural basis of speech and language perception.
- Neural basis of audiovisual integration.
- Computational models of high-level sensory perception.
- Brain-computer interface.

Publications

- J. Li et al. Neural2Speech: A Transfer Learning Framework for Neural-Driven Speech Reconstruction. arXiv.2310.04644.
- J. Li et al. Natural Speech Reconstruction from Direct Cortical Recordings Using Pre-trained Encoder-decoder Framework. In preparation for submission.

Conference

- "Speech Reconstruction from Direct Cortical Recordings Using Pre-trained Encoder-decoder Models", The 16th Annual Meeting of Chinese Neuroscience Society, Zhuhai, China, 2023.

Awards and Honors

- Academic scholarship (2022,2023)
- People's scholarship (6 times from 2017-2021)

National Level Exam Qualified

CET-6: 513

Skills

- **Programming:**
Proficient in Python, MATLAB and \LaTeX
Capable in shell, C++, Java, R
- **Tools:**
Pytorch (Huggingface and fairseq included), Tensorflow