

Qingzheng Wang

Email: qingzhengwang@whu.edu.cn

GitHub: /github.com/Qingzheng-Wang

Mobile: +86-15309618251

Address: Building 4, Meiyuan, Luojiashan Street, Wuhan University, Bayi Road, Wuhan City, Hubei Province

PERSONAL PROFILE

BS student in computer science and technology at Wuhan University, seeking a research internship in speech research. Skilled in Python programming and PyTorch. Have a solid foundation in signal processing and deep learning.

EDUCATION

- School of Computer Science, Wuhan University** Wuhan City, Hubei Province, China
Bachelor's Degree - Computer Science and Technology; GPA: 3.6/4.0 *September 2020 - June 2024*

SKILLS SUMMARY

- Languages:** Python, C++, JAVA
- Frameworks:** PyTorch
- Signal Processing:** Solid knowledge of digital signal processing and speech signal processing

EXPERIENCE

- National Engineering Research Center For Multimedia Software** On-site
Supervisor: A.P. Yuhong Yang *April 2021 - now*
 - Study on Non-Contact Sleep Staging Based on Deep Learning:** I designed and developed a robust deep learning system that utilizes CNN and LSTM to conduct sleep staging by analyzing the Human Whole-Night Sleep Breath Sound Corpus(HWNBS). Through this project, I gained mastery of the fundamental concepts of deep learning and acquired practical experience in PyTorch and Python programming.
 - Recording of the Human Whole-Night Sleep Breath Sound Corpus(HWNBS):** I led a team completing the recording of the whole-night sleep breath sounds of patients in the Sleep Center of Zhongnan Hospital of Wuhan University, and we processed the data. My team and I utilized mobile phones to capture these sounds while patients underwent polysomnography (PSG) monitoring. This corpus is now being utilized for non-contact sleep staging purposes.
 - Recording of the Mandarin Lombard Grid(MLG):** I participated in the recording of the MLG, which is the first Lombard effect corpus of standard Chinese.

HONORS AND AWARDS

- Outstanding Student Scholarship of Wuhan University(Class C) - Sept. 2021
- Outstanding Student Scholarship of Wuhan University(Class C) - Sept. 2022

STANDARDIZED TEST

- IELTS: overall 6.5 (Listening 7.5, Reading 7.0, Writing 6.0, Speaking 6.0)