



Shiwei Gan



Nanjing University



+86 187-3765-1026



sw@smail.nju.edu.cn



Video-language representation, Sign language recognition and translation



GitHub: <https://github.com/gswycf>

Education Background

- PH.D. 2023.10~2024.10 The University of Warwick Department of Computer Science
● Visiting student sponsored by CSC Scholarship Advised by Professor [Hongkai Wen](#)
- PH.D. 2019.07~2025.06 Nanjing University Department of Computer Science and Technology
Average score: 90.53 Advised by Professor [Sanglu Lu](#) and Associate Researcher [Yafeng Yin](#)
- B.S. 2015.09~ 2019.06 Hunan University College of Computer Science and Electronic Engineering
Average score: 87.26 Rank: 4/184 (3.26%)

Research

- [Shiwei Gan](#), Yafeng Yin, Zhiwei Jiang, Hongkai Wen, Lei Xie, Sanglu Lu. [SignGraph: A Sign Sequence is Worth Graphs of Nodes](#). In CVPR 2024. CCF-A conference
- Kang Xia, Wenzhong Li, [Shiwei Gan](#), Sanglu Lu. [TS2ACT: Few-Shot Human Activity Sensing with Cross-Modal Co-Learning](#). In Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies 2024. CCF-A journal
- [Shiwei Gan](#), Yafeng Yin, Zhiwei Jiang, Lei Xie, Sanglu Lu. [Contrastive Learning for Sign Language Recognition and Translation](#). In IJCAI 2023. CCF-A conference
- [Shiwei Gan](#), Yafeng Yin, Zhiwei Jiang, Lei Xie, Sanglu Lu. [Towards Real-Time Sign Language Recognition and Translation on Edge Devices](#). In ACM MM 2023. CCF-A conference
- [Shiwei Gan](#), Yafeng Yin, Zhiwei Jiang, Lei Xie, Sanglu Lu. [Skeleton-Aware Neural Sign Language Translation](#). In ACM MM 2021. CCF-A conference
- Paten:
Yafeng Yin, [Shiwei Gan](#), Lei Xie, Sanglu Lu. A real-time sign language recognition and translation system and method based on edge devices. Application Publication Number: CN117218725A

Yafeng Yin, [Shiwei Gan](#), Lei Xie, Sanglu Lu. A Sign Language Recognition System and Method Based on Spatiotemporal Semantic Features. Application Publication Number: CN111797777A

Selected Honors

- Huawei Scholarship in Nanjing university (1w RMB, 7out of whole department) 2023
- Outstanding Graduate Student for two years in Nanjing University 2021, 2023
- Guorui Scholarship in Nanjing university (8k RMB, 4 out of whole department) 2023
- First Prize of Academic Scholarship for four consecutive years in Nanjing university 2019-2023
- The national inspirational scholarship for three consecutive years in Hunan University 2015-2018
- Miyoshi students for two consecutive years in Hunan University 2015-2017
- Bronze medal in Hubei Province ACM 2018.04

Skills, Activities

- IELTS: 7.0 (Listening:6.5, Reading: 8.5, Writing: 6.0, Speaking: 6.0)
- CCF Certified Software Professional: 360 (Top 1%)
- Teaching Assistant at Nanjing University: Data Structure, Fall 2020-2022
- Teaching Assistant at the University of Warwick: CS933-15 Image and Video Analysis, Fall 2023
- Support Invigilator at the University of Warwick, May, 2024