

Suizhi Huang

✉ huangsuizhi@sjtu.edu.cn

🔗 <https://jeandiable.github.io/>

🔗 <https://scholar.google.com/citations?user=Bg9FHewAAAAJ>

☎ (+86) 18757159360

🎓 EDUCATION

Shanghai Jiao Tong University, Shanghai, China

2022.9 – 2025.3 (Expected)

Master Candidate in Electronic Information

Supervisor: Prof. Hongtao Lu @ BCMI Lab GPA: 3.83/4.0

Shanghai Jiao Tong University, Shanghai, China

2018.9 – 2022.6

Bachelor of Arts in French,

Bachelor of Science in Information Engineering

Score: 89.6/100

📖 PUBLICATIONS

1. **Towards Hetero-Client Federated Multi-Task Learning**

Yuxiang Lu*, **Suizhi Huang***, Yuwen Yang, Shalayiding Sirejiding, Yue Ding, Hongtao Lu
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR) 2024, *co-first author*

2. **YOLO-MED : Multi-Task Interaction Network for Biomedical Images**

Suizhi Huang, Shalayiding Sirejiding, Yuxiang Lu, Yue Ding, Leheng Liu, Hui Zhou, Hongtao Lu
IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2024

3. **Task Indicating Transformer for Task-conditional Dense Predictions**

Yuxiang Lu, Shalayiding Sirejiding, Yue Ding, Bayram Bayramli, **Suizhi Huang**, Hongtao Lu
IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2024

4. **UNIDEAL: Curriculum Knowledge Distillation Federated Learning**

Yuwen Yang, Chang Liu, Xun Cai, **Suizhi Huang**, Hongtao Lu, Yue Ding
IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) 2024

5. **BARTENDER: A Simple Baseline Model for Task-level Heterogeneous Federated Learning**

Yuwen Yang, Yuxiang Lu, **Suizhi Huang**, Shalayiding Sirejiding, Chang Liu, Muyang Yi, Zhaozhi Xie, Yue Ding, Hongtao Lu
IEEE International Conference on Multimedia and Expo (ICME) 2024, *under review*

6. **Federated Multi-Task Learning on Non-IID Data Silos: An Experimental Study**
 Yuwen Yang, Yuxiang Lu, **Suizhi Huang**, Shalayiding Sirejiding, Hongtao Lu, Yue Ding
 ACM SIGMM International Conference on Multimedia Retrieval (ICMR) 2024, *under review*
7. **Adaptive Task-Wise Message Passing for Multi-Task Learning: A Spatial Interaction Perspective**
 Shalayiding Sirejiding, Bayram Bayramli, Yuxiang Lu, **Suizhi Huang**, Hongtao Lu, Yue Ding
 IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), *under revision*
8. **Optimization of convolutional neural networks for background suppression in the PandaX-III experiment**
 Shangning Xia, **Suizhi Huang**, Kexin Xu, Tao Li, Xun Chen, Ke Han, Shaobo Wang
 Journal of Physics G: Nuclear and Particle Physics 2023



HONORS AND AWARDS

Huatai Securities Science and Technology Scholarship	2024.1
Outstanding Graduate of SJTU	2022.6
Outstanding Student of SJTU	2021.10 & 2019.10
SJTU School Scholarship	2020 & 2021
SJTU SPEIT ARDIAN Enterprise Award	2019



SKILLS

Programming Languages: Python, C/C++
Platform: Linux, Windows, Docker
Development: PyTorch, OpenCV, Git, CUDA
English Proficiency: CET6: 564
French Proficiency: DELF B2
Document Writing: \LaTeX , Markdown