

Suizhi Huang

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🔗 <https://innovator-zero.github.io/>

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

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🎓 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 ARDIAN Enterprise Award	2019

⚙ SKILLS

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