Zitao Shuai

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EDUCATION

Zhejiang University   **Sept 2019- Jun 2023**

[Chu Kochen Honors College](#)

Bachelor of Engineering in Computer Science

Bachelor of Economy in Finance

University of Michigan   **Aug 2023- May 2025**

Master of Science in Electrical and Computer Engineering

PUBLICATION

*Denotes co-first authors

[1] Zhang F*, **Shuai Z***, Kuang K, et al. Unified fair federated learning for digital healthcare[J]. Patterns, 2024, 5(1).

[2] Wang B, **Shuai Z**, Huang C, et al. Multi-Sources Fusion Learning for Multi-Points NLOS Localization in OFDM System[J]. IEEE Journal of Selected Topics in Signal Processing, 2024.

[3] **[MICCAI 2024]** Wu C, Restrepo D, **Shuai Z**, et al. Efficient In-Context Medical Segmentation with Meta-driven Visual Prompt Selection[J]. arXiv preprint arXiv:2407.11188, 2024.

[4] **[Submitted to TMLR] Shuai Z**, Wu C, Tang Z, et al. Latent Space Disentanglement in Diffusion Transformers Enables Zero-shot Fine-grained Semantic Editing[J]. arXiv preprint arXiv:2408.13335, 2024.

[5] **[Submitted to NIPS2024] Shuai Z**, Shen L. Mitigating Heterogeneity in Federated Multimodal Learning with Biomedical Vision-Language Pre-training[J]. arXiv preprint arXiv:2404.03854, 2024.

ACADEMIA SERVICES

Reviewer for Machine Learning Healthcare	Jun 2024
Reviewer for International Conference of Machine Learning	Mar 2024
Reviewer for IEEE Transaction of Medical Imaging	Mar 2024
Reviewer for IEEE Transaction of Neural Network Learning System	Mar 2024

AWARDS &HONORS

Scholarship of Zhejiang University (10%)	Oct 2020
Scholarship of Zhejiang University (10%)	Oct 2022
Outstanding Graduate of Zhejiang University (10%)	Jun 2023

SKILLS

Programming Language: C/C++; Python   **Modern Deep Learning Framework**: Pytorch; PytorchLightning; Diffusers

EXTRACURRICULAR ACTIVITIES

Varsity Member | **Tennis Varsity, Zhejiang University**   **Sept 2019- Mar 2022**

- Achieved top 8 placements in campus competitions. Assisted in organizing tennis promotion events.

Teaching Assitant | **Magic AI Summer School, University of Michigan**   **Aug 2024**

- Assisted in preparing course materials and demos, delivered lectures on fundamental AI concepts, and provided support for student inquiries.