

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

GPA: 3.6/4.0, Senior GPA: 3.7/4.0

University of Michigan

Aug 2023- May 2025

Master of Science in Electrical and Computer Engineering

GPA: 3.6/4.0

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). [**Cell Patterns 2024**]

[2] **Shuai Z**, Shen L. Mitigating Heterogeneity in Federated Multimodal Learning with Biomedical Vision-Language Pre-training[J]. arXiv preprint arXiv:2404.03854, 2024. [**Submitted to NIPS2024 on May 20th, 2024**]

[3] 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. [**MICCAI 2024**]

[4] Wang B, **Shuai Z**, Zhu F, et al. Multi-Sources Information Fusion Learning for Multi-Points NLOS Localization[J]. arXiv preprint arXiv:2401.12538, 2024. [**Major Revision. Submitted to IEEE Journal of Selected Topics in Signal Processing**]

[5] **Shuai Z**, Yuan J, Zhang F, Zhang K, Kuang K. Incremental Domain Generalization with Contrastive Fusion Training. [**Submitted to NIPS2023 on May 18th, 2023**]

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

Computer Language: C/C++; Python

Modern Deep Learning Framework: Pytorch; PytorchLightning; Diffusers

Writing: Overleaf/Latex; TOEFL 108 (S23 W28)

EXTRACURRICULAR ACTIVITIES

Team Member | **Tennis Varsity, Zhejiang University**

Sept 2019- Mar 2022

- Achieved top 8 placements in campus competitions every year.

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.