

Liwen Wang

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EDUCATION

Anhui University

Sep. 2023 - Present

Master, Artificial Intelligence, School of Artificial Intelligence, GPA 3.5/4.0

Supervisor: Zhe Jin, Xingbo Dong

Anhui Institute of Information Technology

Sep. 2019 - June 2023

Bachelor, Computer Science and Technology, School of Computer Science and Software Engineering

RESEARCH EXPERIENCE

Research Direction: Domain Adaptation, Object Detection, Medical Image Processing, Semantic Segmentation

PUBLICATIONS AND PATENTS

- M^3 -UDA: A New Benchmark for Unsupervised Domain Adaptive Fetal Cardiac Structure Detection
Bin Pu*, **Liwen Wang***(co-first author), Jiewen Yang*, ..., Zhe Jin, Kenli Li and Xiaomeng Li.
IEEE Conference on Computer Vision and Pattern Recognition ([CVPR](#)), 2024
- Anatomical Knowledge Mining and Matching for Semi-supervised Medical Multi-structure Detection
Bin Pu*, **Liwen Wang***(co-first author), Jiewen Yang*, ..., Zhe Jin and Kenli Li.
AAAI Conference on Artificial Intelligence ([AAAI](#)), 2025
- Learning Frequency and Structure in UDA for Medical Object Detection
Liwen Wang, ..., Zhe Jin, Wen Sha and Xingbo Dong
Chinese Conference on Pattern Recognition and Computer Vision ([PRCV CCF-C](#)), 2024
- Exploring Topological Consistency for Domain Adaptive Anatomical Landmark Detection
Liwen Wang, ..., Zhe Jin, Xingbo Dong
(Under Review)IEEE Journal of Biomedical and Health Informatics([JBHI](#))
- CertainTTA: Estimating Uncertainty for (Continual) Test-Time Adaptation on Medical Image Segmentation
Liwen Wang, ..., Zhe Jin, Xingbo Dong
(Under Review)IEEE Conference on Computer Vision and Pattern Recognition ([CVPR](#)), 2025
- Federated Compensation Learning for Cross-Domain Medical Image Segmentation
Liwen Wang, ..., Zhe Jin, Xingbo Dong
(Under Review)IEEE Journal of Biomedical and Health Informatics([JBHI](#))
- Fetal Ultrasound Anatomy Structure Detection Benchmark and Dataset in Early Pregnancy
Bin Pu, Jiewen Yang, **Liwen Wang**, Ying Tan, He Guannan, Xingbo Dong, Shengli Li, Kenli Li
(Under Review)The Conference on Neural Information Processing Systems ([NIPS](#)), 2024

AWARDS

"Huawei Cup" National Postgraduate Mathematical Contest in Modeling - third prize	2023
Anhui provincial outstanding graduates (2%)	2023
National College Student Computer Design Competition - Second prize	2022
The 12th Blue Bridge Cup Programming Competition C++ Group B - third prize	2021
2020 Anhui University students Mathematical Contest in Modeling - Second prize	2020

SKILLS

English: CET-4, CET-6

Programming: Programming: Python, PyTorch, Linux, Matlab, Java, Spring, C/C++

Deep Learning: MMDetection, MMsegmentation, Detectron2, ThinkMatch

Certificate: System architect, Software designer