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电话：15552885131 籍贯：山东济南 政治面貌：中共预备党员

学生工作：特聘教授科研助理、华为昇腾济南站 HAG-Leader、泰迪工作室室长、图书馆志愿者协会主席

教育背景

山东建筑大学计算机与人工智能学院

人工智能专业/本科

2022-2026

• 学业成绩：GPA 3.94/5

成绩排名 1/36

综测排名 1/36

• 英语水平：CET4-519

本科导师：刘兴波（2023-）

研究生导师：方乐缘（2026.9入学）

科研经历

[1] Weichao Pan*. TET Loss: A Temperature-Entropy Calibrated Transfer Loss for Reliable Medical Image Classification. *Journal of Imaging Informatics in Medicine*, (2025). (JCR Q1, 中科院二区)

[2] Weichao Pan*, Xu Wang. MiT Loss: Medical Image-aware Transfer-calibrated Loss for Enhanced Classification. *Measurement Science and Technology*, (2025). (JCR Q1, 中科院三区, CIS-T2)

[3] Weichao Pan*, Jiaju Kang, Xu Wang, Gongrui Wang. An Ultra-Efficient Dual-Domain Network for Pumping Units Fault Diagnosis. *Measurement Science and Technology*, (2025). (JCR Q1, 中科院三区, CIS-T2)

[4] Weichao Pan*, Xu Wang, Wenqing Huan. Real-time dynamic scale-aware fusion detection network: take road damage detection as an example. *Journal of Real-Time Image Processing*, (2025). (JCR Q2, 中科院三区, CAAI-C)

[5] Weichao Pan, Jianmei Lei, Xu Wang, Chengze Lv, Gongrui Wang, Chong Li*. DAPONet: A Dual Attention and Partially Overparameterized Network for Real-Time Road Damage Detection. *Applied Sciences*, (2025). (JCR Q2, 中科院四区)

[6] Weichao Pan*, Xu Wang, Chengze Lv. TPVG-YOLO: Twined-Path Convolution and Vision-Gated Fusion for Efficient PCB Defect Detection. *Signal, Image and Video Processing*, (2025). (JCR Q3, 中科院四区)

[7] Weichao Pan, Xu Wang, Chengze Lv, Zicheng Lin, Gongrui Wang, Xuening Zhang, Yi Sun, Xingbo Liu*. HVLO-YOLO: An Ultra-Lightweight Detection Model for High-voltage Line Obstacles. *The 36th British Machine Vision Conference (BMVC 2025)*. (CORE A, CCF-C)

[8] Weichao Pan, Bohan Xu, Xu Wang, Chengze Lv, Shuoyang Wang, Zhenke Duan*, Zhen Tian. YOLO-FireAD: Efficient Fire Detection via Attention-Guided Inverted Residual Learning and Dual-Pooling Feature Preservation, *21st International Conference on Intelligent Computing (ICIC 2025)*. (CCF-C)

[9] Xu Wang†, Weichao Pan†, Ruida Liu, Keyan Jin*, Zhen Tian. SM-CBNet: A Speech-Based Parkinson's Disease Diagnosis Model with SMOTE-ENN and CNN_BiLSTM Integration, *21st International Conference on Intelligent Computing (ICIC 2025)*. (CCF-C, 共同一作)

[10] Zicheng Lin, **Weichao Pan***. YOLO-ROC: A High-Precision and Ultra-Lightweight Model for Real-Time Road Damage Detection. *Measurement Science and Technology*, (2025). (JCR Q1, 中科院三区, CIS-T2)

[11] Chengze Lv, **Weichao Pan***. LUOD-YOLO: A Lightweight Underwater Object Detection Model Based on Dynamic Feature Fusion, Dual Path Rearrangement and Cross-scale Integration. *Journal of Real-Time Image Processing*, (2025). (JCR Q2, 中科院三区, CAAI-C)

[12] **潘维超**, 郁文庆, 刘兴波*, 王旭。基于招聘大数据与机器学习的数字人才需求与能力模型构建[J], 软件导刊, 2025. (CCF-T3, 科技核心)

[13] Jiaju Kang, **Weichao Pan**, Tian Zhang, Ziming Wang, Shuqin Yang, Zhiqin Wang, Jian Wang, Xiaofei Niu*. Correcting Factuality Hallucination in Complaint Large Language Model via Entity-Augmented, *2024 International Joint Conference on Neural Networks (IJCNN 2024)*. (CCF-C)

[14] Xu Wang, Jiaju Kang, Puyu Han, **Weichao Pan**, Luqi Gong*, and Fanda Fan. ECG-Expert-QA: A Benchmark for Evaluating Medical Large Language Models in Heart Disease Diagnosis, *IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2025)*. (CCF-B)

多项工作已完成，目前一作： *Information Processing and Management* (中科院一区TOP, CCF-B)、
Optics and Laser Technology (中科院二区TOP)、*Information Sciences* (中科院二区, CCF-B)、*Pattern Recognition Letters* (中科院三区, CAAI-B)、*Cluster Computing* (中科院三区)、*International Conference on Acoustics, Speech, and Signal Processing* (CCF-B)、*IEEE International Conference on Multimedia & Expo* (CCF-B)在审。

担任 *2025 International Joint Conference on Neural Networks (IJCNN)*, *2025 IEEE International Conference on Systems, Man, and Cybernetics (SMC)*, *2025 British Machine Vision Conference (BMVC)*会议以及 *Information Processing & Management*、*IEEE Transactions on Industrial Informatics*、*Humanities and Social Sciences Communications*、*Journal of Real-Time Image Processing*、*Cluster Computing*、*The Visual Computer*、*Signal, Image and Video Processing*、*Scientific Reports*、*Frontiers in Energy Research*、*Current Medical Imaging*等期刊审稿人，累计审稿20余次。

获奖情况

在校期间总计获80余项教育部榜单内省级国家级奖项。

2023-2024年度国家奖学金（院第一个大二学年获此奖）。

2024-2025年度校长奖章（全校仅有七个本科生获此奖）。

第十六届蓝桥杯全国软件和信息技术专业人才大赛全国总决赛一等奖（5%）。

第十七届中国大学生计算机设计大赛全国总决赛二等奖。

第六届全球校园人工智能算法精英大赛全国总决赛二等奖。

第十届全国大学生统计建模大赛全国总决赛二等奖（0.8%）等。