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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**, 邹文庆, 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**。

第六届全国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。