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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**†*, Gongrui Wang†, Chengze Lv†, Zhengxiang Ma, Xu Wang. TRIDENet: A Noise-Robust and Boundary-Aware Detection Framework for Industrial Surface Defects. *Optics and Laser Technology*, (2026). (**JCR Q1，中科院二区TOP**)

[2] **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**)

[3] **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**)

[4] **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**)

[5] **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**)

[6] **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**)

[7] **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**)

[8] **Weichao Pan**†, Ruida Liu†, Chengze Lv, Puyu Han, Luqi Gong, Xu Wang*. Learning Class-Conditional Temperature with Entropy Alignment for Medical Image Classification. *2026 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP 2026)*. (**CCF-B, CORE B**)

[9] **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**)

[10] **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**)

[11] 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**)

[12] 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**)

[13] 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**)

[14] **潘维超**，郇文庆，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**）

[15] 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**)

[16] 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，目前一作及通讯：*Information Processing and Management* (中科院一区TOP, CCF-B)、European Journal of Agronomy (中科院一区TOP)、*Optics and Laser Technology* (中科院二区TOP)、*Pattern Recognition Letters* (中科院三区,CAAI-B)、IEEE Signal Processing Letters (中科院三区,CCF-C)、Computers and Electrical Engineering (中科院三区)、*Cluster Computing* (中科院三区)、*IEEE International Conference on Multimedia & Expo* (CCF-B)、International Conference on Medical Image Computing and Computer Assisted Intervention (CCF-B)等**在审。**

担任*43th International Joint Conference on Neural Networks (IJCNN) 2025*、*38th IEEE International Conference on Systems, Man, and Cybernetics (SMC) 2025*、*36th British Machine Vision Conference (BMVC) 2025*、*26th IEEE International Conference on Multimedia & Expo (ICME) 2026*、*44th International Joint Conference on Neural Networks (IJCNN) 2026*会议以及*Information Processing & Management (IPM)*、*IEEE Transactions on Industrial Informatics (TII)*、*Humanities and Social Sciences Communications (HSSC)*、*IEEE Signal Processing Letters (SPL)*、*Journal of Real-Time Image Processing (JRTIP)*、*Measurement Science and Technology (MST)*、*Cluster Computing*、*Scientific Reports (SR)*、*The Visual Computer (TVC)*、*Machine Vision and Applications (MVA)*、*Signal, Image and Video Processing (SIVP)*、*Frontiers in Energy Research*、*Current Medical Imaging (CMIM)*等期刊**审稿人**，累计审稿**50**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。