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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**

科研经历

[1] **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**)

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

[3] **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*, Volume 22, article number 55, (2025). (**JCR Q2，中科院三区, CAAI-C**)

[4] **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**)

[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*, 15(3), 1470, (2025). (**JCR Q2，中科院四区**)

[6] 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**)

[7] **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, 24(4): 173-183.（**CCF-T3类中文期刊**）

多项工作已完成，**均为第一作者**，目前**在审**：RailDet: A Unified and Efficient Framework for Cross-Dataset Railway Obstacle Detection via Aerial and Ground Sensing (*IEEE Transactions on Intelligent Transportation Systems*, **CCF-B**), DynaFreq-YOLO: Dynamic Frequency-Spatial Synergy Network for Lightweight Insulator Defect Detection in Complex Environments （*IEEE Transactions on Instrumentation and Measurement*), KA: A Lightweight Kolmogorov-Arnold Guided Local-Global Attention for Medical Image Analysis (*IEEE International Conference on Bioinformatics and Biomedicine (BIBM)*, **CCF-B**), DiSpecNet: Towards Extremely Efficient Fault Diagnosis of Pumping Units (*Neurocomputing* (**CCF-C**))。

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*Journal of Real-Time Image Processing (JRTIP)*和*Current Medical Imaging (CMIM)*期刊**审稿人**。

获奖情况

在校期间总计获多项**教育部榜单内国家级二等奖以上奖项**以及2024**国家奖学金（院第一个大二学年获此奖）**。
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%）**。