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EDUCATION

Aug. 2024 - present	PhD student at Nanyang Technological University	GPA: 4.3/5.0
Sep. 2019 - Jun. 2023	BSc at Nanjing University of Aeronautics and Astronautics	GPA: 3.8/5.0

SELECTED PUBLICATIONS

Yang, Penghui, Ming-Kun Xie, Chen-Chen Zong, Lei Feng, Gang Niu, Masashi Sugiyama, and Sheng-Jun Huang (2023). “Multi-label knowledge distillation”. In: *Proceedings of the IEEE/CVF International Conference on Computer Vision (ICCV)*, pp. 17271–17280.

Yang, Penghui, Cunxiao Du, Fengzhuo Zhang, Haonan Wang, Tianyu Pang, Chao Du, and Bo An (2025). “LongSpec: Long-Context Lossless Speculative Decoding with Efficient Drafting and Verification”. In: *ES-FoMo III: 3rd Workshop on Efficient Systems for Foundation Models*.

Yang, Penghui, Chen-Chen Zong, Sheng-Jun Huang, Lei Feng, and Bo An (2025). “Dual-head knowledge distillation: Enhancing logits utilization with an auxiliary head”. In: *Proceedings of the 31st ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, pp. 3530–3541.

OTHER PAPERS

Deng, Yanchen, Chendong Zhao, Yixuan Li, Bijun Tang, Xinrun Wang, Zhonghan Zhang, Yuhao Lu, **Penghui Yang**, Jianguo Huang, Yushan Xiao, Cuntai Guan, Zheng Liu, and Bo An (2025). “MATAI: A Generalist Machine Learning Framework for Property Prediction and Inverse Design of Advanced Alloys”. In: *arXiv preprint arXiv:2511.10108*.

Ding, Binbin, **Penghui Yang**, and Sheng-Jun Huang (2025). “FedDLAD: A Federated Learning Dual-Layer Anomaly Detection Framework for Enhancing Resilience Against Backdoor Attacks”. In: *Proceedings of the 34th International Joint Conference on Artificial Intelligence (IJCAI)*, pp. 5021–5029.

Dou, Longxu, Qian Liu, Fan Zhou, Changyu Chen, Zili Wang, Ziqi Jin, Zichen Liu, Tongyao Zhu, Cunxiao Du, **Penghui Yang**, et al. (2025). “Sailor2: Sailing in South-East Asia with Inclusive Multilingual LLMs”. In: *arXiv preprint arXiv:2502.12982*.

Yang, Penghui, Chendong Zhao, Bijun Tang, Zhonghan Zhang, Xinrun Wang, Yanchen Deng, Yuhao Lu, Cuntai Guan, Zheng Liu, and Bo An (2025). “AutoMAT: A Hierarchical Framework for Autonomous Alloy Discovery”. In: *arXiv preprint arXiv:2507.16005*.

Zong, Chen-Chen, **Penghui Yang**, Ming-Kun Xie, and Sheng-Jun Huang (2025). “A Unified Open Adapter for Open-World Noisy Label Learning: Data-Centric and Learning-Based Insights”. In: *IEEE Transactions on Circuits and Systems for Video Technology (TCSVT)*.