



KEMOU LI^{ID}

Ph.D. Student, University of Macau

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N21-5006, University of Macau

EDUCATION

University of Macau

Ph.D. in Computer Science

- Supervisor: Prof. Jiantao Zhou

2024 – Present

Macau SAR, China

University of Macau

M.Sc. in Artificial Intelligence Applications (Research Track)

- Supervisor: Prof. Jiantao Zhou
- Master Thesis: *Regroup Median Loss for Combating Label Noise*

2021 – 2023

Macau SAR, China

Sun Yat-sen University

B.Sc. in Mathematics and Applied Mathematics

- Supervisor: Prof. Zhiwei Wu
- Bachelor Thesis: *The Representation of Lie Algebra of G₂-Type and Associated Integrable Functions*

2017 – 2021

Guangdong, China

ACADEMIC & INDUSTRY EXPERIENCE

Research Assistant / Intern

State Key Laboratory of IOTSC, University of Macau

- Provide mathematical foundations and efficient algorithms in trustworthy ML

Aug. 2021 – July 2024

Macau SAR, China

Data Analyst Intern

IT and Business Support Center, China Telecom Guangdong Branch

- Detect abnormal and out-of-distribution data using statistical algorithms

Summer 2019

Guangdong, China

RESEARCH INTERESTS

Trustworthy Machine Learning: LLM Unlearning, Adversarial Training, Label-noise Learning

AI Security and Forensics: Forgery Detection, Backdoor Learning, Membership Inference

PUBLICATIONS (* = EQUAL CONTRIBUTION)

Preprints

- LLM Unlearning with LLM Beliefs
Kemou Li, Qizhou Wang, Yue Wang, Fengpeng Li, Jun Liu, Bo Han, Jiantao Zhou
arXiv preprint, submitted to ICLR-26



Conference & Journals

- Toward Robust Deep Learning via Core Feature-aware Adversarial Training
Fengpeng Li*, Kemou Li*, Haiwei Wu, Jinyu Tian, Jiantao Zhou
IEEE Transactions on Information Forensics and Security (TIFS), 2025 [CCF A]
- RML++: Regroup Median Loss for Combating Label Noise
Fengpeng Li, Kemou Li, Qizhou Wang, Bo Han, Jinyu Tian, Jiantao Zhou
International Journal of Computer Vision (IJCV), 2025 [CCF A]
- FontGuard: A Robust Font Watermarking Approach Leveraging Deep Font Knowledge
Kahim Wong, Jicheng Zhou, Kemou Li, Yain-Whar Si, Xiaowei Wu, Jiantao Zhou
IEEE Transactions on Multimedia (TMM), 2025 [CCF B]
- DAT: Improving Adversarial Robustness via Generative Amplitude Mix-up in Frequency Domain
Fengpeng Li, Kemou Li, Haiwei Wu, Jinyu Tian, Jiantao Zhou
In The 38th Annual Conference on Neural Information Processing Systems (NeurIPS-24), 2024 [CCF A]



- Regroup Median Loss for Combating Label Noise
Fengpeng Li, **Kemou Li**, Jinyu Tian, Jiantao Zhou
In *The 38th AAAI Conference on Artificial Intelligence (AAAI-24)*, 2024 [CCF A] [Oral, 2.2%]



Under Review

- Editprint: General Digital Image Forensics via Editing Fingerprint with Self-Augmentation Training
Haiwei Wu, **Kemou Li**, Yuanman Li, Jiantao Zhou
Submitted to CVPR-26
- AEGIS: Adversarial Target-Guided Retention-Data-Free Robust Concept Erasure from Diffusion Models
Fengpeng Li, **Kemou Li**, Qizhou Wang, Bo Han, Jiantao Zhou
Submitted to ICLR-26
- CASCADE: Coarse-to-Fine Conformal Backdoor Detection in Multimodal Contrastive Learning
Yiming Chen, **Kemou Li**, Haiwei Wu, Jiantao Zhou
Submitted to TIFS
- Evading Passive Image Forensics via Source Trace Modeling and Attentive Adversarial Manipulation
Haiwei Wu, Fengpeng Li, **Kemou Li**, Yuanman Li, Jiantao Zhou, Cong Wang
Submitted to TDSC

AWARDS & HONOURS

Inclusion·The Global Multimedia Deepfake Detection (Image Track).
🏆 1st Place (1/706, JTGroup Team). **[NEWS]**

Aug. 2024

TEACHING EXPERIENCE

Teaching Assistant

Department of Computer and Information Science, University of Macau

- [GEST1009] (G) Multimedia Technology in Modern Society (Fall 2025)
- [CISC7202] (PG) Tools for Machine Learning (Spring 2025)
- [CISC7014] (PG) Advanced Topics in Computer Science (Image Processing and Pattern Recognition) (Fall 2024)

PROFESSIONAL SERVICES

Journal Reviewer

- IEEE Transactions on Information Forensics and Security (TIFS)

Conference Reviewer / Program Committee

- Conference on Computer Vision and Pattern Recognition (CVPR), 2026
- International Conference on Learning Representations (ICLR), 2026
- Conference on Neural Information Processing Systems (NeurIPS), 2025
- International Conference on Machine Learning (ICML), 2025
- Asia-Pacific Signal and Information Processing Association Annual Summit and Conference (APSIPA ASC), 2024–2025