



KEMOU LI^{ID}

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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: Adversarial Training, Label-noise Learning, LLM Unlearning

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

PUBLICATIONS

* = Equal Contribution

Conference & Journals

- Towards Robust Deep Learning via Core Feature-aware Adversarial Training
Fengpeng Li*, Kemou Li*, Haiwei Wu, Jinyu Tian, Jiantao Zhou
Accepted in *IEEE Transactions on Information Forensics & 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
Accepted in *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, Top 2.2%]

Preprints & Submitted

- AEGIS: Retention-Data-Free Diffusion Concept Erasure Beyond Robustness–Retention Trade-off
Fengpeng Li*, **Kemou Li***, Qizhou Wang, Bo Han, Jiantao Zhou
Under review by NeurIPS-25
- CASCADE: Coarse-to-Fine Conformal Backdoor Detection in Multimodal Contrastive Learning
Yiming Chen, **Kemou Li**, Haiwei Wu, Jiantao Zhou
Under review by TIFS
- Editprint: General Digital Image Forensics via Editing Fingerprint with Self-Augmentation Training
Haiwei Wu, Jiantao Zhou, **Kemou Li**, Yuanman Li, Xiaochun Cao, Cong Wang
Under review by TPAMI
- Evading Passive Image Forensics via Source Trace Modeling and Attentive Adversarial Manipulation
Haiwei Wu, Fengpeng Li, **Kemou Li**, Yuanman Li, Jiantao Zhou, Cong Wang
Under review by TDSC



AWARDS & HONOURS

Inclusion·The Global Multimedia Deepfake Detection (Image Track).

Aug. 2024

🏆 1st Place (1/706, JTGroup Team). [NEWS]

TEACHING EXPERIENCE

Teaching Assistant

Department of Computer and Information Science, University of Macau

- [CISC7202] Tools for Machine Learning (Spring 2025)
- [CISC7014] Advanced Topics in Computer Science (Image Processing and Pattern Recognition) (Fall 2024)

PROFESSIONAL SERVICES

Journal Reviewer

- IEEE Transactions on Information Forensics & Security (TIFS)

Conference Reviewer / Program Committee

- 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)