



# KEMOU LI<sup>ID</sup>

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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 G<sub>2</sub>-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

### Conference & Journals

- Towards 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  
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 and 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