KEMOU LI

Ph.D. Student @ University of Macau

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N21-5006, University of Macau

EDUCATION

University of Macau — **2024 – Present**
Ph.D. in Computer Science — *Macao, China*
- Supervisor: Prof. Jiantao Zhou

University of Macau — **2021 – 2023**
M.Sc. in Artificial Intelligence Applications (Research Track) — *Macao, China*
- Supervisor: Prof. Jiantao Zhou
- Master Thesis: *Regroup Median Loss for Combating Label Noise*

Sun Yat-sen University — **2017 – 2021**
B.Sc. in Mathematics and Applied Mathematics — *Guangzhou, China*
- Supervisor: Prof. Zhiwei Wu
- Bachelor Thesis: *The Representation of Lie Algebra of G_2-Type and Associated Integrable Functions*

RESEARCH EXPERIENCE

Research Assistant / Intern — **Aug. 2021 – Present**
State Key Laboratory of Internet of Things for Smart City (SKL-IoTSC), University of Macau — *Macao, China*

RESEARCH INTERESTS

Trustworthy Machine Learning: LLM Unlearning, Adversarial Training, Learning with Noisy Labels
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

Conferences & 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 **[Tsinghua A]**
- 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) *(Organized by Ant Group)* **Sept. 2024**
🏆 1st Place (1/706), JTGroup Team. **[NEWS]** *Prize: 100,000 CNY*

Teaching Experience

Teaching Assistant
Department of Computer and Information Science, Faculty of Science and Technology, 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

Technical Skills

Programming: Python, PyTorch, LaTeX
Languages: English *(fluent)*, Mandarin *(native)*, Teochew *(native)*, Cantonese *(basic)*