Kemou Li

Ph.D. Student @ SKL-IoTSC, University of Macau

kemoulee.github.io
kemou.li@connect.umac.mo
+853 62517633 / +86 13502716616
N21-5006, University of Macau, Macao

Education

University of Macau — **2024 – Present**
Ph.D. in Computer Science — *Macao, China*
- Advisor: Prof. Jiantao Zhou
- Research Interests: *Trustworthy Foundation Models, Machine Learning, LLM Safety, Agent Security*

University of Macau — **2021 – 2023**
M.Sc. in Artificial Intelligence Applications (Research Track) — *Macao, China*
- Advisor: 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*
- Advisor: Prof. Zhiwei Wu
- Bachelor Thesis: *Representations of the Lie Algebra of Type G_2 and Associated Integrable Systems*

Academic Experience

Remote Research Intern — **Jan. 2025 – Present**
TMLR Group, Department of Computer Science, Hong Kong Baptist University — *Hong Kong, China*
- Mentor: Dr. Qizhou Wang and Prof. Bo Han

Research Assistant — **Aug. 2021 – Present**
State Key Laboratory of Internet of Things for Smart City (SKL-IoTSC), University of Macau — *Macao, China*
- Collaborator: Dr. Fengpeng Li and Prof. Haiwei Wu

Awards & Honors

- **Inclusion·The Global Multimedia Deepfake Detection Challenge (Image Track)** — **Sep. 2024**
  Champion (1/706), Team JTGroup. *Prize: 100,000 CNY* [NEWS] — *Organizer: Ant Group*
- **NTIRE @ CVPR 2026: Robust AI-Generated Image Detection in the Wild Challenge** — **Mar. 2026**
  6th Place (6/511), Team UESTC — *Organizer: MSU*
- **ICLR 2026 Travel Award** *Prize: 2,500 USD* — **Apr. 2026**

Publications

First Co-First*

Conference Papers

[C5] **Editprint: General Digital Image Forensics via Editing Fingerprint with Self-Augmentation Training**
Haiwei Wu*, **Kemou Li***, Yuanman Li, Jiantao Zhou
In *The 43rd IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR-26**)*, 2026 [CCF A] [Highlight]

[C4] **LLM Unlearning with LLM Beliefs**
Kemou Li, Qizhou Wang, Yue Wang, Fengpeng Li, Jun Liu, Bo Han, Jiantao Zhou
In *The 14th International Conference on Learning Representations (**ICLR-26**)*, 2026 [CCF A]

[C3] **AEGIS: Adversarial Target-Guided Retention-Data-Free Robust Concept Erasure from Diffusion Models**
Fengpeng Li, **Kemou Li**, Qizhou Wang, Bo Han, Jiantao Zhou
In *The 14th International Conference on Learning Representations (**ICLR-26**)*, 2026 [CCF A]

[C2] **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]**

[C1] **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%]**

Journal Papers

[J3] **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]**

[J2] **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]**

[J1] **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 A]**

Preprints & Working Papers

[P4] **Coarse-to-Fine Conformal Backdoor Detection in Multimodal Contrastive Learning**
Yiming Chen, **Kemou Li**, Haiwei Wu, Jiantao Zhou
Submitted to ***ACM MM-26***

[P3] ***k*NNProxy: Efficient Training-Free Proxy Alignment for Black-Box Zero-Shot LLM-Generated Text Detection**
Kahim Wong, **Kemou Li**, Haiwei Wu, Jiantao Zhou
arXiv preprint. Submitted to ***IEEE TIFS***

[P2] **FeatDistill: A Feature Distillation Enhanced Multi-Expert Ensemble Framework for Robust AI-generated Image Detection**
Zhilin Tu, **Kemou Li**, Fengpeng Li, Jianwei Fei, Jiamin Zhang, Haiwei Wu
arXiv preprint. 6th Place Technical Report @ ***NTIRE 2026: Robust AI-Generated Image Detection in the Wild Challenge***

[P1] **Evading Passive Image Forensics via Source Trace Modeling and Attentive Adversarial Manipulation**
Haiwei Wu, Fengpeng Li, **Kemou Li**, Yuanman Li, Jiantao Zhou, Cong Wang
Major Revision at ***IEEE TDSC***

Professional Services

Organizing Committee

- Session Chair, ***APSIPA ASC 2024***, 3–6 Dec. 2024, Macao, China

Conference Reviewer

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

Journal Reviewer

- IEEE Transactions on Information Forensics and Security (***TIFS***)
- Knowledge-Based Systems (***KBS***)

Teaching Experience

Teaching Assistant

Department of Computer and Information Science, Faculty of Science and Technology, University of Macau

- **`[CISC8001] (PG)`** Principles of Artificial Intelligence, Spring 2026
- **`[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

Technical Skills

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