

# LEI ZHANG

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## EDUCATION

### University of California, San Diego

*Ph.D. in Computer Science*

San Diego, USA

*Sep. 2024 – Present*

### Zhejiang University

*M.S. in Computer Science*

Hangzhou, China

*Sep. 2021 – Jun. 2024*

### South China University of Technology

*B.E. in Software Engineering*

Canton, China

*Sep. 2017 – Jun. 2021*

## PUBLICATIONS

- **L. Zhang**, J. Zhang, B. Lei, S. Mukherjee, X. Pan, B. Zhao, C. Ding, Y. Li, D. Xu, “Accelerating Dataset Distillation via Model Augmentation,” *CVPR*, 2023 **Highlight**. [PDF](#)
- **L. Zhang**, Z. Wang, X. Dong, Y. Feng, X. Pang, Z. Zhang, K. Ren, “Towards Fairness-aware Adversarial Network Pruning,” *ICCV*, 2023. [PDF](#)
- J. Zhang\*, **L. Zhang\***, G. Li, C. Wu, “Adversarial Examples for Good: Adversarial Examples Guided Imbalanced Learning,” *ICIP*, 2022. (\* equal contribution) [PDF](#)
- J. Zhang, B. Li, J. Xu, S. Wu, S. Ding, **L. Zhang**, C. Wu, “Towards Efficient Data Free Black-box Adversarial Attack,” *CVPR*, 2022. [PDF](#)
- **L. Zhang**, F. Shu, S. Ren, B. Zhao, H. Jiang, C. Xie, “Compress & Align: Leveraging Human Knowledge to Curate Image-Text Data,” *Arxiv Preprint*, 2024. [PDF](#)
- F. Shu\*, **L. Zhang\***, H. Jiang, C. Xie, “Audio-visual LLM for Video Understanding,” *Arxiv Preprint*, 2024. (\* equal contribution) [PDF](#)
- S. Ren, X. Li, H. Tu, F. Wang, F. Shu, **L. Zhang**, J. Mei, L. Yang, P. Wang, H. Wang, A. Yuille, C. Xie, “Autoregressive Pretraining with Mamba in Vision,” *Arxiv Preprint*, 2024. [PDF](#)
- W. He, S. Fu, M. Liu, X. Wang, W. Xiao, F. Shu, Y. Wang, **L. Zhang**, Z. Yu, H. Li, Z. Huang, L. Gan, H. Jiang, “MARS: Mixture of Auto-Regressive Models for Fine-grained Text-to-image Synthesis,” *Arxiv Preprint*, 2024. [PDF](#)
- W. Zhang, T. Lin, J. Liu, F. Shu, H. Li, **L. Zhang**, W. He, H. Zhou, Z. Lv, H. Jiang, J. Li, S. Tang, Y. Zhuang, “HyperLLaVA: Dynamic Visual and Language Expert Tuning for Multimodal Large Language Models,” *Arxiv Preprint*, 2024. [PDF](#)

## EXPERIENCE

### Research Intern

*University of California, Santa Cruz.*

Apr. 2023 – Jun. 2024

*Remote*

- Supervisor: Prof. Cihang Xie
- Research focus: Vision-Language Learning

### Research Intern

*Alibaba Group.*

May. 2023 – Jun. 2024

*Beijing, China*

- Research focus: Multimodal Understanding

### Reserach Intern

*Microsoft Research Asia.*

Dec. 2022 – Feb. 2023

*Remote*

- Supervisor: Dr. Xun Guo
- Research focus: Text-to-Image with Diffusion Model

## TECHNICAL SKILLS

**Languages:** Python, C/C++

**Frameworks:** Pytorch, LaTeX

**Languages:** TOEFL 105, GRE 325+3.0