

CHENYU ZHENG

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EDUCATION

Renmin University of China	2023 - Now
• <i>Ph.D. student</i> in AI, supervised by Prof. Chongxuan Li	Beijing
Wuhan University, School of Computer Science	2019 - 2023
• <i>Bachelor</i> in Computer Science, Elite Class	Wuhan

AWARDS

China National Scholarship	2020
Outstanding Graduate, Wuhan University	2023

REPRESENTATIVE PAPERS

- Chenyu Zheng**, Wei Huang, Rongzhen Wang, Guoqiang Wu, Jun Zhu, Chongxuan Li. *On Mesa-Optimization in Autoregressively Trained Transformers: Emergence and Capability*. Advances in Neural Information Processing Systems (**NeurIPS**) 2024.
- Chenyu Zheng**, Guoqiang Wu, Chongxuan Li. *Toward Understanding Generative Data Augmentation*. Advances in Neural Information Processing Systems (**NeurIPS**) 2023.
- Chenyu Zheng**, Guoqiang Wu, Fan Bao, Yue Cao, Chongxuan Li, Jun Zhu. *Revisiting Discriminative vs. Generative Classifiers: Theory and Implications*. International Conference on Machine Learning (**ICML**) 2023.

ALL PUBLICATIONS

[†] indicates the corresponding author and * indicates equal contribution

- Chenyu Zheng**, Wei Huang, Rongzhen Wang, Guoqiang Wu, Jun Zhu, Chongxuan Li. *On Mesa-Optimization in Autoregressively Trained Transformers: Emergence and Capability*. Advances in Neural Information Processing Systems (**NeurIPS**) 2024.
- Shen Nie, Hanzhong Guo, Cheng Lu, Yuhao Zhou, **Chenyu Zheng**, Chongxuan Li. *The Blessing of Randomness: SDE Beats ODE in General Diffusion-based Image Editing*. International Conference on Learning Representations (**ICLR**) 2024.
- Chenyu Zheng**, Guoqiang Wu, Chongxuan Li. *Toward Understanding Generative Data Augmentation*. Advances in Neural Information Processing Systems (**NeurIPS**) 2023.
- Chenyu Zheng**, Guoqiang Wu, Fan Bao, Yue Cao, Chongxuan Li, Jun Zhu. *Revisiting Discriminative vs. Generative Classifiers: Theory and Implications*. International Conference on Machine Learning (**ICML**) 2023.
- Ailong Ma, **Chenyu Zheng**[†], Junjue Wang, Yanfei Zhong. *Domain Adaptive Land-Cover Classification via Local Consistency and Global Diversity*. IEEE Transactions on Geoscience and Remote Sensing (**TGRS**) 2023.
- Chenyu Zheng**, Junjue Wang, Ailong Ma, and Yanfei Zhong. *AutoLC: Search Lightweight and Top-Performing Architecture for Remote Sensing Image Land-Cover Classification*. International Conference on Pattern Recognition (**ICPR**) 2022.

ACADEMIC SERVICES

Journal Reviewer

- IEEE Transactions on Pattern Analysis and Machine Intelligence (**TPAMI**).

Conference Reviewer

- Advances in Neural Information Processing Systems (**NeurIPS**): 2024.
- International Conference on Learning Representations (**ICLR**): 2025.