CHENYU ZHENG

(+86) 18702739454　|　cyzheng@ruc.edu.cn　|　Homepage

EDUCATION

Renmin University of China　　　　　　　　　　　　　　　　　　　　2023 - Now
- *Ph.D. student* in AI, supervised by Prof. **Chongxuan Li**　　　　　　　　Beijing

Wuhan University　　　　　　　　　　　　　　　　　　　　　　　2019 - 2023
- *Bachelor* in Computer Science, **Elite Class**　　　　　　　　　　　　　Wuhan

AWARDS

China National Scholarship　　　　　　　　　　　　　　　　　　　　2020

Outstanding Graduate, Wuhan University　　　　　　　　　　　　　　2023

REPRESENTATIVE PAPERS

1. **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.

2. **Chenyu Zheng**, Guoqiang Wu, Chongxuan Li. *Toward Understanding Generative Data Augmentation*. Advances in Neural Information Processing Systems (**NeurIPS**) 2023.

3. **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

$\dagger$ indicates the corresponding author and * indicates equal contribution.

1. **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.

2. Rongzhen Wang, **Chenyu Zheng**, Guoqiang Wu, Xu Min, Xiaolu Zhang, Jun Zhou, Chongxuan Li. *Lower Bounds of Uniform Stability in Gradient-Based Bilevel Algorithms for Hyperparameter Optimization*. Advances in Neural Information Processing Systems (**NeurIPS**) 2024.

3. 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.

4. **Chenyu Zheng**, Guoqiang Wu, Chongxuan Li. *Toward Understanding Generative Data Augmentation*. Advances in Neural Information Processing Systems (**NeurIPS**) 2023.

5. **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.

6. 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.

7. **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.
- International Conference on Artificial Intelligence and Statistics (**AISTATS**): 2025.