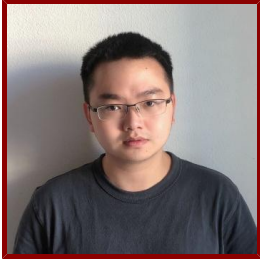


Stanford



Dixian Zhu

Postdoctoral Scholar, Genetics

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Iowa (2023)
- MS, University of Iowa , Computer Science (2018)
- BE, Harbin Institute of Technology , Bioinformatics (2016)

STANFORD ADVISORS

- Livnat Jerby, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Provable Multi-instance Deep AUC Maximization with Stochastic Pooling** *International Conference on Machine Learning (ICML)*
Zhu, D., Wang, B., Chen, Z., Wang, Y., Sonka, M., Wu, X., Yang, T.
2023: 43205-43227
- **Label Distributionally Robust Losses for Multi-class Classification: Consistency, Robustness and Adaptivity** *International Conference on Machine Learning (ICML)*
Zhu, D., Ying, Y., Yang, T.
2023: 43289-43325
- **When auc meets dro: Optimizing partial auc for deep learning with non-convex convergence guarantee** *International Conference on Machine Learning (ICML)*
Zhu, D., Li, G., Wang, B., Wu, X., Yang, T.
2022: 27548-27573
- **A robust zero-sum game framework for pool-based active learning** *international conference on artificial intelligence and statistics (AISTATS)*
Zhu, D., Li, Z., Wang, X., Gong, B., Yang, T.
2019: 517-526
- **Non-Smooth Weakly-Convex Finite-sum Coupled Compositional Optimization.** *Conference on Neural Information Processing Systems (NeurIPS)*
Hu, Q., Zhu, D., Yang, T.
2023
- **Libauc: A deep learning library for x-risk optimization** *ACM SIGKDD Conference on Knowledge Discovery and Data Mining*
Yuan, Z., Zhu, D., Qiu, Z., Li, G., Wang, X., Yang, T.
2023
- **Deep unsupervised binary coding networks for multivariate time series retrieval** *AAAI Conference on Artificial Intelligence*
Zhu, D., Song, D., Chen, Y., Lumezanu, C., Cheng, W., Zong, B., Ni, J., Mizoguchi, T., Yang, T., Chen, H.

2020

- **deBWT: parallel construction of Burrows-Wheeler Transform for large collection of genomes with de Bruijn-branch encoding**

Liu, B., Zhu, D., Wang, Y.

OXFORD UNIV PRESS.2016: 174-182