

SIYUAN LI

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EDUCATION

Zhejiang University (ZJU) & Westlake University, China | Supervisor: Prof. Stan Z. Li Sept. 2021 - Present
PhD. Candidate of Computer Science and Technology

Nanjing University (NJU), China | Supervisor: Prof. Jianxin Wu Sept. 2017 - June 2021
Bachelor of Computer Science and Technology

PROJECTS & RESEARCH EXPERIENCE

Zhejiang University of Technology: Visual Object Tracking in open scenes Aug 2019 - May 2020
Programming visual tracking systems and publishing [TLPG-Tracker](#), supervised by Dr Zhi Zhang.

Westlake University: Manifold learning for dimension reduction May 2020 - June 2021
Studying inverse dimension reduction and publishing [inv-ML](#), supervised by Prof. Stan Z. Li.

Open source projects for computer vision and bioengineering in PyTorch July 2021 - Present

- **OpenMixup**: Open mixup toolbox and benchmark for visual representation learning. **410 stars, 48 forks**
- **MogaNet**: Image classification and various downstream tasks of MogaNet. **70 stars**
- **OpenSTL**: Open-source project for video prediction benchmarks. **125 stars, 36 forks**
- **OpenBioSeq**: Open-source project for supervised and self-supervised bio-sequence representation.

SELECTED PUBLICATIONS

Efficient Multi-order Gated Aggregation Network arXiv, 2022
Siyuan Li, Zedong Wang, Zicheng Liu, Cheng Tan, Haitao Lin, Di Wu, Zhiyuan Chen, Jiangbin Zheng, Stan Z. Li. 📄Code

Architecture-Agnostic Masked Image Modeling – From ViT back to CNN ICML, 2023
Siyuan Li, Di Wu, Fang Wu, Zelin Zang, Stan Z. Li. 📄Code

Explaining Graph Neural Networks via Non-parametric Subgraph Matching ICML, 2023
Fang Wu, Siyuan Li, Xurui Jin, Zhangming Niu, Yinghui Jiang, Dragomir Radev, Stan Z. Li. 📄Code

Exploring Localization for Self-supervised Fine-grained Contrastive Learning (*Spotlight, Top 3.9%*) BMVC, 2022
Di Wu, Siyuan Li, Zelin Zang, Stan Z. Li. 📄Code

AutoMix: Unveiling the Power of Mixup for Stronger Classifiers (*Oral, Top 2.7%*) ECCV, 2022
Zicheng Liu, Siyuan Li, Di Wu, Zihan Liu, Zhiyuan Chen, Lirong Wu, Stan Z. Li. 📄Code

DLME: Deep Local-flatness Manifold Embedding ECCV, 2022
Zelin Zang, Siyuan Li, Di Wu, Ge Wang, Lei Shang, Baigui Sun, Hao Li, Stan Z. Li. 📄Code

Unsupervised Deep Manifold Attributed Graph Embedding Neurocomputing, 2022
Zelin Zang, Siyuan Li, Di Wu, Jianzhu Guo, Yongjie Xu, Stan Z. Li. 📄Code

Invertible Manifold Learning for Dimension Reduction ECML, 2021
Siyuan Li, Haitao Lin, Zelin Zang, Lirong Wu, Jun Xia, Stan Z. Li. 📄Code

TLPG-Tracker: Joint Learning of Target Localization and Proposal Generation for Visual Tracking IJCAI, 2020
Siyuan Li, Zhi Zhang, Ziyu Liu, Anna Wang, Linglong Qiu, Feng Du. 📄Code

ADDITIONAL ACHIEVEMENTS

Programming language: Python, PyTorch, C/C++, Matlab, LaTeX

Platform: Linux, MacOS, Windows

Languages: Mandarin (Native); English (CET-6: 558)