

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

Alibaba DAMO Academy: AIGC and Representation Learning Aug 2023 - July 2024
Researching in AIGC for face and general images, supervised by RSR Baigui Sun.

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.*

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.*

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

- **OpenMixup**: Open mixup toolbox and benchmark for visual representation learning. **542 stars, 58 forks**
- **OpenSTL**: Open-source project for video prediction benchmarks (NeurIPS, 2023). **500 stars, 97 forks**
- **MogaNet**: Image classification and various downstream tasks of MogaNet (ICLR, 2024). **114 stars, 12 forks**

SELECTED PUBLICATIONS

SemiReward: A General Reward Model for Semi-supervised Learning ICLR, 2024
[Siyuan Li](#), [Weiyang Jin](#), [Zedong Wang](#), [Fang Wu](#), [Zicheng Liu](#), [Cheng Tan](#), [Stan Z. Li](#). 📄 [Code](#)

MogaNet: Multi-order Gated Aggregation Network ICLR, 2024
[Siyuan Li](#), [Zedong Wang](#), [Zicheng Liu](#), [Cheng Tan](#), [Haitao Lin](#), [Di Wu](#), [Zhiyuan Chen](#), [Jiangbin Zheng](#), [Stan Z. Li](#). 📄 [Code](#)

GenURL: A General Framework for Unsupervised Representation Learning TNNLS, 2023
[Siyuan Li](#), [Zicheng Liu](#), [Zelin Zang](#), [Di Wu](#), [Zhiyuan Chen](#), [Stan Z. Li](#). 📄 [Code](#)

OpenSTL: A Comprehensive Benchmark of Spatio-Temporal Predictive Learning NeurIPS, 2023
[Cheng Tan](#), [Siyuan Li](#), [Zhangyang Gao](#), [Wenfei Guan](#), [Zedong Wang](#), [Zicheng Liu](#), [Lirong Wu](#), [Stan Z. Li](#). 📄 [Code](#)

Harnessing Hard Mixed Samples with Decoupled Regularizer NeurIPS, 2023
[Zicheng Liu](#), [Siyuan Li](#), [Ge Wang](#), [Cheng Tan](#), [Lirong Wu](#), [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](#)

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](#)