Haoxin Li

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RESEARCH INTERESTS

- Computer Vision: video understanding, human action and interaction analysis

EDUCATION

Nanyang Technological University *Aug. 2021 - NOW*

- Ph.D. student in Computer Science and Engineering
- Research area: computer vision.
- Supervisor: Prof. Boyang Li and Prof. Hanwang Zhang.

Sun Yat-sen University *Aug. 2018 - Jun. 2021*

- M.Sc. in Information and Communication Engineering
- Research area: computer vision.
- Supervisor: Prof. Wei-Shi Zheng.

Sun Yat-sen University *Aug. 2014 - Jun. 2018*

- B.E. in Electronic Engineering
- Average Score: 92.48/100, ranking: 2/119.

PUBLICATIONS

- Haoxin Li, Wei-Shi Zheng, Yu Tao, Haifeng Hu, Jian-Huang Lai. **Adaptive Interaction Modeling via Graph Operations Search.** In IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2020.
- Haoxin Li, Wei-Shi Zheng, Jianguo Zhang, Haifeng Hu, Jiwen Lu, Jian-Huang Lai. **Egocentric Action Recognition by Automatic Relation Modeling** IEEE Transactions on Pattern Analysis and Machine Intelligence (T-PAMI), 2022.
- Haoxin Li, Yijun Cai, Wei-Shi Zheng. **Deep Dual Relation Modeling for Egocentric Interaction Recognition.** In IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2019.
- Yijun Cai, Haoxin Li, Jian-Fang Hu, Wei-Shi Zheng. **Action Knowledge Transfer for Action Prediction with Partial Videos.** In 33rd AAAI Conference on Artificial Intelligence (AAAI), 2019.
- Shuosen Guan, Haoxin Li, Wei-Shi Zheng. **Unsupervised Learning for Optical Flow Estimation Using Pyramid Convolution LSTM.** In IEEE International Conference on Multimedia and Expo (ICME), 2019.

- Jiaming Zhou, Kun-Yu Lin, Haoxin Li, Wei-Shi Zheng. **Graph-Based High-Order Relation Modeling for Long-Term Action Recognition.** In IEEE Conference on Computer Vision and Pattern Recognition (CVPR), 2021.

CONTESTS

- ActivityNet Large-Scale Activity Recognition Challenge 2018: Trimmed Event Recognition (Moments in Time Recognition Challenge), Rank: 1/12 in Mini Track, 10/29 in Full Track.

AWARDS

- Outstanding Undergraduate Thesis Award, by Sun Yat-sen University, 2018
- Chinese National Scholarship (1/264), by Minister of Education of China, 2015