Wanhua Li

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EDUCATION

Tsinghua University   Beijing, China
Ph.D. student in Computer Vision   2017 - present

- Advisors: Prof. Jiwen Lu and Prof. Jianjiang Feng

Sun Yat-Sen University   Guangzhou, China
B.S. in Computer Science, GPA: 4.0/4.0, Top 1/118   2013 - 2017

ACADEMIC EXPERIENCE

- **Horizon Robotics**   Jul 2019 - Aug 2019
  Research intern

- **Huawei Noah Ark's Lab**   Oct 2018 - Jun 2019
  Research intern advised by Dr. Lingxi Xie and Dr. Qi Tian

- **iSEE Lab, Sun Yat-Sen University**   Mar 2016 - Jul 2017
  Research assistant advised by Prof. Wei-Shi Zheng

PUBLICATIONS

1. Bingyao Yu, **Wanhua Li**, Xiu Li, Jiwen Lu, and Jie Zhou
   Frequency-Aware Spatiotemporal Transformers for Video Inpainting Detection
   *IEEE International Conference on Computer Vision (**ICCV**), 2021*

2. **Wanhua Li**, Jiwen Lu, Abudukelimu Wuerkaixi, Jianjiang Feng, and Jie Zhou
   Reasoning Graph Networks for Kinship Verification: from Star-shaped to Hierarchical
   *IEEE Transactions on Image Processing (**TIP**), 2021*

3. **Wanhua Li**, Xiaoke Huang, Jiwen Lu, Jianjiang Feng, and Jie Zhou
   Learning Probabilistic Ordinal Embeddings for Uncertainty-Aware Regression
   *IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021*

4. **Wanhua Li**, Shiwei Wang, Jiwen Lu, Jianjiang Feng, and Jie Zhou
   Meta-Mining Discriminative Samples for Kinship Verification
   *IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021*

5. Shuai Shen, **Wanhua Li**, Zheng Zhu, Guan Huang, Dalong Du, Jiwen Lu, and Jie Zhou
   Structure-Aware Face Clustering on a Large-Scale Graph with 10^7 Nodes
   *IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2021*

6. **Wanhua Li**, Yueqi Duan, Jiwen Lu, Jianjiang Feng, and Jie Zhou
   Graph-Based Social Relation Reasoning
   *European Conference on Computer Vision (**ECCV**), 2020*

7. **Wanhua Li**, Jiwen Lu, Jianjiang Feng, Chunjing Xu, Jie Zhou and Qi Tian
   BridgeNet: A Continuity-Aware Probabilistic Network for Age Estimation
   *IEEE/CVF Conference on Computer Vision and Pattern Recognition (**CVPR**), 2019*

8. **Wanhua Li**, Yingqiang Zhang, Kangchen Lv, Jiwen Lu, Jianjiang Feng, and Jie Zhou
   Graph-Based Kinship Reasoning Network
   IEEE International Conference on Multimedia and Expo (ICME), 2020

9. Benchao Li, **Wanhua Li**, Yongyi Tang, Jian-Fang Hu, and Wei-Shi Zheng
   GL-PAM RGB-D Gesture Recognition
   IEEE International Conference on Image Processing (ICIP), 2018

TALKS

- **Learning Probabilistic Ordinal Embeddings for Uncertainty-Aware Regression** April 2021
  Invited Presentation at 2021 Beijing University Academic Forum on Artificial Intelligence
- **Graph-Based Kinship Reasoning Network** July 2020
  ICME'2020 Oral Presentation
- **BridgeNet: A Continuity-Aware Probabilistic Network for Age Estimation** March 2019
  Invited Presentation at 2019 Beijing University Academic Forum on Artificial Intelligence

SCHOLARSHIPS AND AWARDS

- 3rd Place in 2021 VIPriors Instance Segmentation Challenge @ICCV 2021. 2021
- 2nd Place in ChaLearn LAP Large-scale Isolated Gesture Recognition Challenge @ICCV 2017. 2017
- Outstanding Undergraduate Thesis, Sun Yat-Sen University 2017
- Outstanding Graduate of Sun Yat-Sen University 2017
- National Scholarship, Sun Yat-Sen University 2015
- National Scholarship, Sun Yat-Sen University 2014

ACADEMIC SERVICES

Journal Reviewer

- IEEE Transactions on Image Processing
- IEEE Transactions on Circuits and Systems for Video Technology
- IEEE Transactions on Biometrics, Behavior, and Identity Science
- Pattern Recognition
- Neural Networks
- Neurocomputing
- Pattern Recognition Letters
- Journal of Visual Communication and Image Representation

Conference Reviewer

- International Conference on Computer Vision (ICCV 2021)
- AAAI Conference on Artificial Intelligence (AAAI 2022)
- IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR 2022)
- IEEE International Conference on Multimedia and Expo (ICME 2019-2021)
- IEEE International Conference on Image Processing (ICIP 2018-2021)
- International Conference on Pattern Recognition (ICPR 2018-2020)