Wanhua Li

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Education

Department of Automation, Tsinghua University   Beijing, China
  PhD student in Computer Vision   *Aug 2017 - June 2022(Expected)*
  Advisors: Prof. Jiwen Lu, and Prof. Jianjiang Feng
  GPA: 3.9/4.0, Top 1/76

School of Data and Computer Science, Sun Yat-Sen University   Guangzhou, China
  B.E. in Computer Science   *Aug 2013 - June 2017*
  GPA: 4.0/4.0, Top 1/118

Experiences

Huawei Noah Ark's Lab
Research intern advised by Prof. Qi Tian   *Oct 2018 - June 2019*

Horizon Robotics
Research intern   *July 2019 - Aug 2019*

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

Publications

* indicates equal contribution

Peer-Reviewed Publications

[1] **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*

[2] **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*

[3] 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*

[4] 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*

[5] **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*

[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, **Oral Presentation***

Technical Reports

[9] Pengyu Chen*, **Wanhua Li***
   Data-Efficient Instance Segmentation with a Single GPU
   3rd Place Solution on Instance Segmentation Track of ICCV 2021 VIPriors Challenges

[10] Benchao Li, **Wanhua Li**, Yongyi Tang, Jian-Fang Hu, and Wei-Shi Zheng
   GL-PAM RGB-D Gesture Recognition
   2nd Place Solution in the ChaLearn LAP Large-scale Isolated Gesture Recognition Challenge

Talks

○ **Learning Probabilistic Ordinal Embeddings for Uncertainty-Aware Regression**
Invited Presentation at 2021 Beijing University Academic Forum on Artificial Intelligence   *April 2021*

○ **Graph-Based Kinship Reasoning Network**
ICME'2020 Oral Presentation   *July 2020*

○ **BridgeNet: A Continuity-Aware Probabilistic Network for Age Estimation**
Invited Presentation at 2019 Beijing University Academic Forum on Artificial Intelligence   *March 2019*

Scholarships and Awards

○ ICCV Doctoral Consortium Travel Award   *2021*

○ **Weihai Talent Scholarship, Tsinghua**   *2021*

○ **3rd Place in VIPriors Instance Segmentation Challenge at ICCV**   *2021*

○ Outstanding Oral Presentation at 2021 Beijing University Academic Forum on Artificial Intelligence   *2021*

○ **2nd Place in ChaLearn LAP Large-scale Isolated Gesture Recognition Challenge at ICCV**   *2017*

○ Outstanding Undergraduate Thesis, SYSU   *2017*

○ Outstanding Graduate, SYSU   *2017*

○ National Encouragement Scholarship, Ministry of Education of P.R. China   *2016*

○ **National Scholarship, Ministry of Education of P.R. China**   *2015*

○ **National Scholarship, Ministry of Education of P.R. China**   *2014*

Academic Services

Conference Reviewer / PC Member

○ IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)

○ International Conference on Computer Vision (ICCV)

○ European Conference on Computer Vision (ECCV)

○ AAAI Conference on Artificial Intelligence (AAAI)

○ International Joint Conference on Artificial Intelligence (IJCAI)

○ IEEE International Conference on Multimedia and Expo (ICME)

○ IEEE International Conference on Image Processing (ICIP)

○ International Conference on Pattern Recognition (ICPR)

Journal Reviewer

○ IEEE Transactions on Pattern Analysis and Machine Intelligence

○ IEEE Transactions on Image Processing

○ IEEE Transactions on Neural Networks and Learning Systems

○ 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