JUNKUN YUAN

github.com/junkunyuan junkunyuan.github.io/ yuanjk@zju.edu.cn

No. 38 Zheda Road, Xihu District, Hangzhou, Zhejiang 310027, P.R.China (86)-15958016853

BIOGRAPHY

I am currently a third-year Ph.D. student at the College of Computer Science and Technology, Zhejiang University, supervised by Prof. Kun Kuang, Prof. Lanfen Lin, and Prof. Fei Wu.

EDUCATION

Zhejiang University, Hangzhou, China *Sep 2019 - Jun 2024*
PhD student, Computer Science and Technology

Zhejiang University of Technology, Hangzhou, China *Sep 2015 - Jun 2019*
Bachelor of Engineering, Automation

RESEARCH EXPERIENCE

I am focusing on improving the stability and generalization of machine learning in the open and non-stationary real world. My current research interests include domain adaptation/generalization and causal inference.

PROJECTS (ALL AVAILABLE IN GITHUB)

1. **Collaborative Semantic Aggregation and Calibration for Separated Domain Generalization.**

   Junkun Yuan, Xu Ma, Defang Chen, Kun Kuang*, Fei Wu, Lanfen Lin.

   arXiv preprint, 2021

2. **Domain-Specific Bias Filtering for Single Labeled Domain Generalization.**

   Junkun Yuan, Xu Ma, Defang Chen, Kun Kuang*, Fei Wu, Lanfen Lin.

   arXiv preprint, 2021

3. **Learning Domain-Invariant Relationship with Instrumental Variable for Domain Generalization.**

   Junkun Yuan, Xu Ma, Kun Kuang*, Ruoxuan Xiong, Mingming Gong, Lanfen Lin.

   arXiv preprint, 2021

4. **Auto IV: Counterfactual Prediction via Automatic Instrumental Variable Decomposition.**

   Junkun Yuan, Anpeng Wu, Kun Kuang*, Bo Li, Runze Wu, Fei Wu, Lanfen Lin.

   ACM Transactions on Knowledge Discovery from Data (TKDD), 2021 (CCF-B, IF: 2.713)

5. **Subgraph Networks with Application to Structural Feature Space Expansion.**

   Qi Xuan*, Jinhuan Wang, Minghao Zhao, **Junkun Yuan**, Chenbo Fu, Zhongyuan Ruan*, Guanrong Chen.

   IEEE Transactions on Knowledge and Data Engineering (TKDE) , 2021 (CCF-A, IF: 6.977)

6. **Learning Decomposed Representation for Counterfactual Inference.**

   Anpeng Wu, Kun Kuang*, **Junkun Yuan**, Bo Li, Pan Zhou, Jianrong Tao, Qiang Zhu, Yueting Zhuang, Fei Wu.

   arXiv preprint, 2020

7. **Black-box Adversarial Attacks Against Deep Learning Based Malware Binaries Detection with GAN.**

   Junkun Yuan, Shaofang Zhou, Lanfen Lin*, Feng Wang, Jia Cui.

   European Conference on Artificial Intelligence (ECAI) , 2020 (CCF-B)

8. **CNN-based DGA Detection with High Coverage.**

   Shaofang Zhou, Lanfen Lin*, **Junkun Yuan**, Feng Wang, Zhaoting Ling, Jia Cui.

   IEEE International Conference on Intelligence and Security Informatics (ISI) , 2019

PROFESSIONAL SERVICES

Reviewer: CVPR 2021 Workshop on Causality in Vision.

Help to review for AAAI 2021, 2022, CVPR 2021, ICML 2021, KDD 2021, ICCV 2021, CIKM 2021, NeurIPS 2021.