**Junkun Yuan**

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**BIOGRAPHY**

I am currently a third-year Ph.D. student at the College of Computer Science and Technology, [Zhejiang University](http://www.zju.edu.cn/), supervised by Prof. [Kun Kuang](https://kunkuang.github.io/), Prof. [Lanfen Lin](https://person.zju.edu.cn/0096005), and Prof. [Fei Wu](https://person.zju.edu.cn/wufei).

**EDUCATION**

PhD student, Computer Science and Technology Sep. 2019 – Jun. 2024

Zhejiang University, Hangzhou, China

Advised by Professor [Kun Kuang](https://kunkuang.github.io/), Professor [Lanfen Lin](https://person.zju.edu.cn/0096005), and Professor [Fei Wu](https://person.zju.edu.cn/wufei)

Bachelor of Engineering, Automation Sep. 2015 – Jun. 2019

Zhejiang University of Technology, Hangzhou, China

Advised by [Professor Qi Xuan](http://www.xuanqi-net.com/)

**RESEARCH INTERESTS**

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.

**PUBLICATIONS**

(# Equal Contribution; \* Corresponding Author.)

**2021**

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

1. Domain-Specific Bias Filtering for Single Labeled Domain Generalization.

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

**arXiv preprint**, 2021

1. 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

1. 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**)

1. 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**)

**2020**

1. 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

1. 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**)

**2019**

1. 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.