Wenxiao **Wang**

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Education

Zhejiang University   *Hangzhou, China*
B.S. IN COMPUTER SCIENCE AND TECHNOLOGY   *Sep. 2013 - Jun. 2017*

Zhejiang University   *Hangzhou, China*
PH.D IN COMPUTER SCIENCE AND TECHNOLOGY   *Sep. 2017 - Jun. 2022 (expected)*
- Advised by Prof. Deng Cai and Xiaofei He

Experience

The Hong Kong Polytechnic University   *Hongkong, China*
UNDERGRADUATE RESEARCH   *Oct. 2016 - Mar. 2017*
- Implement neural style transfer and accelerate the process. (Tensorflow)

Fabu Incorporation (Prof. Xiaofei He)   *Hangzhou, China*
INTERN   *Sep. 2017 - Dec. 2019*
- Training and conversion of objection detection and lane segmentation models. (Caffe/Pytorch)
- Development of Advanced Driver Assistance Systems (ADAS), taking charge of the alert policy, the postprocess of object detection and lane segmentation, etc. (C/C++)
- Compression and acceleration of deep models. (Pytorch)
- Maintenance of the backend server of a webpage. (JAVA)

Publications

- **Wenxiao Wang**, Cong Fu, Jishun Guo, Deng Cai, and Xiaofei He. COP: customized deep model compression via regularized correlation-based filter-level pruning. In IJCAI, 2019. (**Oral**)

- **Wenxiao Wang**, Shuai Zhao, Minghao Chen, Jinming Hu, Deng Cai and Haifeng Liu. DBP: Discrimination Based Block-Level Pruning for Deep Model Acceleration. arXiv preprint arXiv:1912.10178, 2019.

- **Wenxiao Wang**, Minghao Chen, Shuai Zhao, Long Chen, Jinming Hu, Deng Cai, Haifeng Liu, Xiaofei He, Wei Liu. Accelerate CNNs from Three Dimensions: A Comprehensive Pruning Framework. In ICML, 2021. (**Spotlight**)

- **Wenxiao Wang**, Lu Yao, Long Chen, Deng Cai, Xiaofei He, and Wei Liu. CrossFormer: A Versatile Vision Transformer Based on Cross-scale Attention. (ICLR 2022 Under Review, Github over 130 stars)

Professional Activities

- Invited Reviewer of Neurocomputing, TNNLS, TPAMI, etc.
- Invited Reviewer of AAAI 2020, NeurIPS 2020/2021, ICCV 2021, ACM MM 2021, CVPR 2020/2021/2022, ICML 2021, ICLR 2021/2022, etc.

Personal Skills

Programming   Python, C/C++, JAVA, Matlab
Languages   Chinese, English (got 103 in TOEFL2017)

Honors & Awards

ZJU	**Excellent Student Awards**, Zhejiang University	*2014*
ZJU	**Third-Class Scholarship for Outstanding Students**, Zhejiang University	*2014*
ZJU	**Outstanding Student Leader Awards**, Zhejiang University	*2014, 2015, 2016*
ZJU	**Excellent Social Word Scholarship**, Zhejiang University	*2015, 2016*
ZJU	**Leadership and Service Star Awards**, College of Computer Science, Zhejiang University	*2017*
ZJU	**International Exchange Star Awards**, College of Computer Science, Zhejiang University	*2017*
ZJU	**Award of Honor for Graduate**, Zhejiang University	*2018, 2020*
ZJU	**Scholarship for Junior Graduates**, Zhejiang University	*2019*