

EDUCATION

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|---|-----------------|
| Ph.D. in Electrical and Computer Engineering, National University of Singapore <i>Supervisor: Xinchao Wang</i> | 2022.08—Present |
| M.Eng. in Computer Science and Technology, Zhejiang University <i>Supervisor: Mingli Song, GPA: 3.84/4, Rank: top 20%</i> | 2019.09—2022.03 |
| B.Eng. in Computer Science and Technology, Zhejiang University <i>Supervisor: Mingli Song, GPA: 3.89/4, Rank: top 20%</i> | 2015.09—2019.06 |

RESEARCH

- **DepGraph: Towards Any Structural Pruning**
Gongfan Fang, Xinyin Ma, Mingli Song, Michael Bi Mi, and Xinchao Wang
The IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR-23)
- **Up to 100x Faster Data-free Knowledge Distillation**
Gongfan Fang*, Kanya Mo*, Xinchao Wang, Jie Song, Shitao Bei, Haofei Zhang, Mingli Song
Thirty-Sixth AAAI Conference on Artificial Intelligence (AAAI-22)
- **Mosaicking to Distill: Knowledge Distillation from Out-of-Domain Data**
Gongfan Fang, Yifan Bao, Jie Song, Xinchao Wang, Donglin Xie, Chengchao Shen, Mingli Song
Thirty-fifth Conference on Neural Information Processing Systems (NeurIPS-21)
- **Contrastive Model Inversion for Data-Free Knowledge Distillation**
Gongfan Fang, Jie Song, Xinchao Wang, Chengchao Shen, Xingen Wang, Mingli Song
International Joint Conferences on Artificial Intelligence Organization (IJCAI-21)
- **Data-Free Adversarial Distillation**
Gongfan Fang, Jie Song, Chengchao Shen, Xinchao Wang, Da Chen, Mingli Song
arXiv preprint arXiv:1912.11006
- **Knowledge amalgamation from heterogeneous networks by common feature learning**
Sihui Luo, Xinchao Wang, **Gongfan Fang**, Yao Hu, Dapeng Tao, Mingli Song
International Joint Conferences on Artificial Intelligence Organization (IJCAI-19)
- **Adversarial Self-Supervised Data-Free Distillation for Text Classification**
Xinyin Ma, Yongliang Shen, **Gongfan Fang**, Chen Chen, Chenghao Jia, Weiming Lu
Empirical Methods in Natural Language Processing (EMNLP-20)
- **Prompting to distill: Boosting Data-Free Knowledge Distillation via Reinforced Prompt**
Xinyin Ma, Xinchao Wang, **Gongfan Fang**, Yongliang Shen, Weiming Lu
International Joint Conferences on Artificial Intelligence Organization (IJCAI-22)

PROJECTS ([HTTPS://GITHUB.COM/VAINF](https://github.com/VainF))

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| Torch-Pruning https://github.com/VainF/Torch-Pruning (900 stars) | 2020 — Present |
| • A general-purpose pruning toolkit for arbitrary neural networks. • Supports complicated architectures like Vision Transformers, CNNs and RNNs. | |
| Pytorch MS-SSIM https://github.com/VainF/pytorch-msssim (700 stars) | 2019 — Present |
| • Fast and compatible Multi-scale Structural Similarity for image quality assessment • 6× Faster than the implementation of Tensorflow and Scikit-Image | |
| DeepLabv3+ https://github.com/VainF/DeepLabV3Plus-Pytorch (1200 stars) | 2019 — Present |
| • Deeplab v3 and Deeplab v3+ models for semantic segmentation • Several backbones including ResNet, MobileNet, Xception and HRNet. | |

ACTIVITIES & AWARDS

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| Third-Class Academic Scholarship of Zhejiang University | 2018, 2016 |
| Mi Scholarship | 2021 |
| Award of Honor for Graduate | 2021 |