Yong Guo

South China University of Technology
Advisors: Prof. Mingkui Tan & Prof. Jian Chen
Homepage: www.guoyongcs.com

Phone: (+86) 13660241149
Email: guoyongcs@gmail.com
Scholar Page: Google Scholar

PARTICULARS

EDUCATION

South China University of Technology — Guangzhou, China
Ph. D. in Software Engineering — *Sep. 2016 - July. 2021 (expected)*

South China University of Technology — Guangzhou, China
B.A. in Software Engineering — *Sep. 2012 - July. 2016*

RESEARCH EXPERIENCES

Tencent AI Lab — Shenzhen, China
Intern in Machine Learning Group — *Oct. 2018 - Present*

PUBLICATIONS

1. **Closed-loop Matters: Dual Regression Networks for Single Image Super-Resolution**
   Yong Guo, Jian Chen, Jingdong Wang, Qi Chen, Jiezhang Cao, Zeshuai Deng, Yanwu Xu, and Mingkui Tan.
   In *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020.

2. **Multi-way Backpropagation for Training Compact Deep Neural Networks**
   Yong Guo, Jian Chen, Qing Du, Anton Van Den Hengel, Qinfeng Shi, and Mingkui Tan.
   In *Neural Networks*, 2020.

3. **NAT: Neural Architecture Transformer for Accurat eand Compact Architectures**
   Yong Guo, Yin Zheng, Mingkui Tan, Qi Chen, Jian Chen, Peilin Zhao, and Junzhou Huang.
   In *Advances in Neural Information Processing Systems (NeurIPS)*, 2019.

4. **Auto-Embedding Generative Adversarial Networks for High Resolution Image Synthesis**
   Yong Guo, Qi Chen, Jian Chen, Qingyao Wu, Qinfeng Shi, and Mingkui Tan.
   In *IEEE Transactions on Multimedia (TMM)*, 2019.

5. **Adversarial Learning with Local Coordinate Coding**
   Jiezhang Cao, **Yong Guo** (co-first author), Qingyao Wu, Chunhua Shen, Junzhou Huang, Mingkui Tan.
   In *International Conference on Machine Learning (ICML)*, 2018. (*Oral presentation*)

6. **Double Forward Propagation for Memorized Batch Normalization**
   Yong Guo, Qingyao Wu, Chaorui Deng, Jian Chen, and Mingkui Tan.
   In *AAAI Conference on Artificial Intelligence (AAAI)*, 2018. (*Oral presentation*)

7. **Discrimination-aware Channel Pruning for Deep Neural Networks**
   Zhuangwei Zhuang, Mingkui Tan, Bohan Zhuang, Jing Liu, **Yong Guo**, Qingyao Wu, Junzhou Huang, and Jinhui Zhu.
   In *Advances in Neural Information Processing Systems (NeurIPS)*, 2018.

8. **Online Feature Selection of Class Imbalance via PA Algorithm**
   Chao Han, Yunkun Tan, Jinhui Zhu, **Yong Guo**, Jian Chen, Qingyao Wu*.
   In *Journal of Computer Science and Technology*, 2016.

AWARDS & HONORS

- MSRA Fellowship Nomination Award — 2018.10
- Oral Presentation at International Conference on Machine Learning (ICML) in Stockholm — 2018.07
- Oral Presentation at AAAI Conference on Artificial Intelligence in New Orleans — 2018.02
- National Scholarship — 2019.10
- Principle's Scholarship of South China University of Technology — 2019.10
- Excellent Doctoral Innovation Fund of South China University of Technology — 2019.01
- Award of Excellent Degree Dissertations of South China University of Technology — 2016.07
- National Motivational Scholarship — 2013.09

INTERNATIONAL CONFERENCE/JOURNAL REVIEWER

TIP, NeurIPS, AAAI, UAI, MICCAI, Neurocomputing