

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
Ph. D. in Software Engineering

Guangzhou, China
Sep. 2016 - July. 2021 (expected)

South China University of Technology
B.A. in Software Engineering

Guangzhou, China
Sep. 2012 - July. 2016

RESEARCH EXPERIENCES

Tencent AI Lab
Intern in Machine Learning Group

Shenzhen, China
Oct. 2018 - Present

PUBLICATIONS

1. **Closed-loop Matters: Dual Regression Networks for Single Image Super-Resolution**
Yong Guo, Jian Chen, Jingdong Wang, Qi Chen, Jiezhong 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 Accurate and 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.**
Jiezhong 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

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|---|---------|
| • 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