

Yong Guo

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PARTICULARS

EDUCATION

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

Guangzhou, China
Sep. 2016 - July. 2021 (expected)
Guangzhou, China
Sep. 2012 - July. 2016

RESEARCH EXPERIENCES

Tencent AI Lab
Intern in Machine Learning Group

Shenzhen, China
Oct. 2018 - Present

PUBLICATIONS

1. **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.
2. **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.
3. **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*)
4. **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*)
5. **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.
6. **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.
7. **Multi-way Backpropagation for Training Compact Deep Neural Networks.**
Yong Guo, Jian Chen, Qing Du, Anton Van Den Hengel, Qinfeng Shi, and Mingkui Tan.
Submitted to IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI), 2019.

AWARDS & HONORS

RESEARCH RELATED

- 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

SCHOLARSHIP

- 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