

# Yong Guo

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## PARTICULARS

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### 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

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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

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### 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

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NeurIPS, AAAI, UAI, MICCAI, Neurocomputing