Yong Guo

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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. **NAT: Neural Architecture Transformer for Accurat eand Compact Architectures**.
   <u>Yong Guo</u>, 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**.
   <u>Yong Guo</u>, 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**.
   Jiezhang Cao, <u>Yong Guo</u> (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**.
   <u>Yong Guo</u>, 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, <u>Yong Guo</u>, 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, <u>Yong Guo</u>, Jian Chen, Qingyao Wu*.
   In *Journal of Computer Science and Technology*, 2016.

7. **Multi-way Backpropagation for Training Compact Deep Neural Networks**.
   <u>Yong Guo</u>, 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

NeurIPS, AAAI, UAI, MICCAI, Neurocomputing