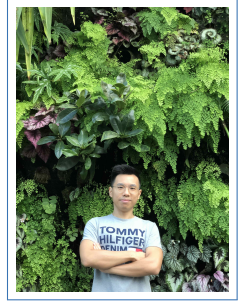# Shangyu Chen

4th-Year Ph.D Student under supervision
of Prof.Sinno Jialin Pan

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Research Topic

Deep Neural Network Compression: Pruning, Quantization

Education

2012–2016 **Sun Yat-Sen University**, *Guangzhou, China.*
Bachelor of Science in Computer Science

2016–Now **Nanyang Technological University**, *Singapore.*
Ph.D Candidiate in Computer Science

Publication

NeurIPS-19 **Shangyu Chen**, Wenya Wang and Sinno Jialin Pan. "MetaQuant: Learning to Quantize by Learning to Penetrate Non-differentiable Quantization". *33rd Conference on Neural Information Processing Systems*

IJCAI-19 **Shangyu Chen**, Wenya Wang and Sinno Jialin Pan. "Cooperative Pruning in Cross-Domain Deep Neural Network Compression". *28th International Joint Conference on Artificial Intelligence*

AAAI-19 **Shangyu Chen**, Wenya Wang and Sinno Jialin Pan. "Deep Neural Network Quantization via Layer-Wise Optimization using Limited Training Data". *33rd AAAI Conference on Artificial Intelligence*

NIPS-17 Xin Dong, **Shangyu Chen**, Sinno Jialin Pan. "Learning to Prune Deep Neural Networks via Layer-wise Optimal Brain Surgeon". *31st Conference on Neural Information Processing Systems*

Internship Experience

June-Sept (2020) Research Intern in NLP Group, ByteDance AI Lab at Singapore.

Jan-April (2021) Research Intern in Computer Vision Group at Microsoft, Redmond, Washington, U.S.

Project

Awesome Deep Neural Network Compression

- https://github.com/csyhhu/Awesome-Deep-Neural-Network-Compression
- Listing and summary the famous related papers.
- Re-implemetion of state-of-the-art related methods.

Skill

PyTorch, TensorFlow, Python, C++, Matlab, R