Hanlin Chen

Personal Home

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EDUCATION

Beihang University Beijing, China
Master of Pattern Recognition and Intelligent System; GPA: 89.9/100 *Sep 2018 - Present*

Shenyang Aerospace University Shenyang, China
Bachelor of Aircraft Design and Engineering *Sep 2014 - Jun 2018*

RESEARCH EXPERIENCE

Alibaba Group Beijing, China
Alibaba DAMO Academy *June 2020 - Present*

- Research on neural architecture search (NAS).

Beihang University Beijing, China
School of Automation Science and Electrical Engineering *Sep 2018 - Present*

- Research on neural architecture search (NAS).
- Research on model quantization and pruning.
- Research on unsupervised learning.
- Research on adversarial training.

JOURNAL & CONFERENCE PAPERS

- **Hanlin Chen**, Baochang Zhang, Song Xue, Xuan Gong, Hong Liu, Rongrong Ji, David Doermann. **Anti-Bandit Neural Architecture Search for Model Defense**, on submission to ECCV 2020.
- **Hanlin Chen**, Li'an Zhuo, Baochang Zhang, Xiawu Zheng, Jianzhuang Liu, David Doermann, Rongrong Ji. **Binarized Neural Architecture Search**. AAAI, 2020.
- Li'an Zhuo, Baochang Zhang, **Hanlin Chen**, Linlin Yang, Yanjun Zhu, Chen Chen, David Doermann. **CP-NAS: Child-Parent Neural Achitecture Search for 1-bit CNNs**, IJCAI 2020.
- Li'an Zhuo, Baochang Zhang, Linlin Yang, **Hanlin Chen**, Qixiang Ye, David Doermann, Rongrong Ji, Guodong Guo. **Cogradient Descent for Bilinear Optimization**. CVPR, 2020.
- Sheng Xu, **Hanlin Chen**, Kexin Liu, Jinhu Lii, Baochang Zhang. **Efficient Block Pruning based on kernel and feature stablization**. Digital Image Computing: Techniques and Applications, 2019. (DICTA 2019)
- Chunlei Liu, Wenrui Ding, Yu Hu, **Hanlin Chen**, Baochang Zhang, Shuo Liu. **Guided Convolutional Network**. 13th International Conference on Distributed Smart Cameras. (ICDSC 2019)
- **Hanlin Chen**, Xuan Gong, Baochang Zhang, Chunyu Xie, David Doermann. **Fast and Unsupervised Neural Architecture Evolution for Visual Representation Learning**, on submission to NeurIPS.
- **Hanlin Chen**, Li'an Zhuo, Baochang Zhang, Xiawu Zheng, Jianzhuang Liu, Rongrong Ji, David Doermann, Guodong Guo. **Binarized Neural Architecture Search for Efficient Object Recognition**, on submission to IJCV.
- **Hanlin Chen**, Xudong Zhang, et al. **Efficient Facial Landmark Localization based on Binarized Neural Networks**, on submission to Electronics.
- Xuan Gong, **Hanlin Chen**, Sheng Xu, Baochang Zhang, David Doermann. **Bandit Network Architecture Search**, on submission to BMVC 2020.
- Sheng Xu, **Hanlin Chen**, Xuan Gong, Kexin Liu, Jinhu Lü, Baochang Zhang. **Efficient Structured Pruning based on Deep Feature Stabilization**, on submission to Neural Computing and Applications. (NCAA)

HONORS & AWARDS

Excellent Prize Scholarship 2018 - 2019
Beihang University *Beijing, China*

Liaoning Provincial Government Scholarship 2016
Shenyang Aerospace University *Shenyang, China*

SKILLS

- **Spoken Languages**: English
- **Programming Languages**: Python, C/C++, matlab
- **Technologies and Frameworks**: Pytorch, Tensorflow, Linux