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

- **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.

  Supervisor: Prof. Baochang Zhang

Journal & Conference Papers

- **Hanlin Chen**, Li'an Zhuo, Baochang Zhang, Xiawu Zheng, Jianzhuang Liu, David Doermann, Rongrong Ji. **Binarized Neural Architecture Search**. AAAI, 2020.
- Li'an Zhuo, **Hanlin Chen**, Linlin Yang, Yanjun Zhu, Chen Chen, Baochang Zhang, 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**, 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, 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 Transactions on Intelligent Systems and Technology. (TIST)

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