

# Hanlin Chen

Personal Home

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## EDUCATION

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- **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

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- **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

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- **Hanlin Chen**, Li'an Zhuo, Baochang Zhang, Xiwu Zheng, Jianzhuang Liu, David Doermann, Rongrong Ji. **Binarized Neural Architecture Search**. AAAI, 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, Xiwu 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)
- 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**, on submission to IJCAI 2020.
- Xuan Gong, **Hanlin Chen**, Sheng Xu, Baochang Zhang, Jialian Wu, David Doermann. **Bandit Network Architecture Search**, on submission to IJCAI 2020.
- Sheng Xu, **Hanlin Chen**, Xuan Gong, Baochang Zhang, David Doermann. **Binarized Backbone Search for Real-Time Object Detection**, on submission to IJCAI 2020.

## HONORS & AWARDS

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- **Excellent Prize Scholarship** 2018 - 2019  
*Beihang University* Beijing, China
- **Liaoning Provincial Government Scholarship** 2016  
*Shenyang Aerospace University* Shenyang, China

## SKILLS

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