

黄迪 (Di Huang)

Gender: Male **Phone:** (+86)17888837039 **E-mail:** hd232508@163.com

Education

2018.09-Now	Institute of Computing Technologies	Doctorate
2014.09-2018.07	Tsinghua University	Bachelors

Research

Area

2021-now: program synthesis

2018-2020: deep learning acceleration

[1] Neural Program Synthesis with Query

Di Huang, Rui Zhang, Xing Hu, Xishan Zhang, Pengwei Jin, Nan Li, Zidong Du, Qi Guo, Yunji Chen.
International Conference on Learning Representations (ICLR), 2022.

[2] A Decomposable Winograd Method for N-D Convolution Acceleration in Video Analysis

Di Huang, Rui Zhang, Xishan Zhang, Fan Wu, Xianzhuo Wang, Pengwei Jin, Shaoli Liu, Ling Li & Yunji Chen.
International Journal of Computer Vision (IJCV). (CCF-A)

[3] Fixed-Point Back-Propagation Training

Xishan Zhang, Shaoli Liu, Rui Zhang, Chang Liu, **Di Huang**, Shiyi Zhou, Jiaming Guo, Qi Guo, Zidong Du, Tian Zhi, Yunji Chen.
Conference on Computer Vision and Pattern Recognition (CVPR), 2020. (CCF-A)

[4] DWM: A Decomposable Winograd Method for Convolution Acceleration

Di Huang, Xishan Zhang, Rui Zhang, Tian Zhi, Deyuan He, Jiaming Guo, Chang Liu, Qi Guo, Zidong Du, Shaoli Liu, Tianshi Chen, Yunji Chen.
Association for the Advancement of Artificial Intelligence (AAAI), 2020. (CCF-A)

Experience

2017.07-2020.06

Cambricon Technologies

Research Intern

1. Participate in the research of adaptive fixed-point training. Code implementation and network training. One of the co-authors of the paper [3] published at CVPR'2020.
2. Work on Winograd algorithm and implement it on the company's products. Paper published at AAAI'2020.

Skills

Programming:

Python, CUDA

Language:

Mandarin, English (CET-6)

Honors

2020 National Scholarship

2019 E Fund Scholarship

2019 Merit Student (University of Chinese Academy of Sciences)