Zhuolun (Leon) HE

The Chinese University of Hong Kong
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RESEARCH INTEREST

Machine learning on combinatorial optimization

EDUCATION

The Chinese University of Hong Kong *Hong Kong*
Ph.D. student in Computer Scinece and Engineering *Aug. 2019 - Present*
Supervisor: Prof. Bei Yu

Peking University *Beijing*
Ph.D. student in Computer Architecture *Sept. 2017 - Sept. 2018*
Supervisor: Prof. Guojie Luo

Peking University *Beijing*
B.S. in Computer Science and Technology *Sept. 2013 - Jul. 2017*
Thesis: Architecture Support for Monadic Serial Dynamic Programming Algorithm

PUBLICATION

1. Yuzhe Ma, **Zhuolun He**, Wei Li, Tinghuan Chen, Lu Zhang, and Bei Yu. "Understanding Graphs in EDA: From Shallow to Deep Learning". *ACM International Symposium on Physical Design (ISPD)*, Taipei, 2020. (Invited Paper)

2. Ching-Yun Ko, Cong Chen, **Zhuolun He**, Yuke Zhang, Kim Batselier, and Ngai Wong. "Deep Model Compression and Inference Speedup of Sum-Product Networks on Tensor Trains". *IEEE Transactions on Neural Networks and Learning Systems (TNNLS)*, 2019.

3. **Zhuolun He**, Hanxian Huang, Ming Jiang, Yuanchao Bai, and Guojie Luo. "FPGA-based Real-time Super-resolution System for Ultra High Definition Videos". *IEEE International Symposium on Field-Programmable Custom Computing Machines (FCCM)*, Boulder, CO, 2018.

4. **Zhuolun He** and Guojie Luo. "FPGA Acceleration for Computational Glass-Free Displays". *ACM/SIGDA International Symposium on Field-Programmable Gate Arrays (FPGA)*, Monterey, CA, 2017.

WORK EXPERIENCE

The University of Hong Kong *Hong Kong*
Research Assistant *Nov. 2018 - Jul. 2019*

AWARDS

- Champion of EDAthon 2018 *2018*
- Outstanding Dissertation Award at EECS, Peking University *2017*

SKILL SET

Programming	Proficient in C/C++, Python
	Experienced with HLS-C, Javascript, MATLAB, PHP
Framework/Tool	Bash, Bootstrap, LaTeX, OpenMP, PyTorch