Hao Du

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github.com/mapleam

EDUCATION

UESTC   *Sep 2015 - Jun 2019*
Software Engineering International Elite Class   *Chengdu*

- Major courses: Computer Composition Principle, Data Structure, Linear Algebra, Operating System, Calculus
- Grade Point Average: 86.03 / 100
- Rank: 5%

PROFESSIONAL EXPERIENCE

Microsoft Research Asia   *Jan 2019 - Present*
Research Intern , Multimedia Search and Mining   *Beijing*

- Mainly on long-term fast online tracking and further on neural architecture search.
- Achieved 3rd in VOT-2019 Long-Term Task and 1st in OxUVA task.
- Submitted a paper draft to CVPR 2020 on neural architecture search.

Momenta Technology   *Oct 2018 - Jan 2019*
Research Intern , Training Platform   *Beijing*

- Mainly on model compression, training efficiency and multi-platform inference efficiency recorded in Github.
- Implemented Auto-Augment, Drop-Block, NISP on Momenta's framework(Caffe-Based) without loss of accuracy.

SenseTime Technology   *Jan 2018 - Jul 2018*
Research Intern , Algorithm Platform and High Performance Computing   *Shenzhen*

- Reproduced 'DGC' and achieved a speedup of 30% in parallel-training on SenseNet(Caffe-Based) framework.
- Designed a heuristic method for multi-gpu training based on the characteristics of NCCL.
- Implemented online distillation.

UESTC Cyber Security Lab   *Feb 2017 - Jul 2017*
Research Intern   *Chengdu*

- Completed the project "Using Software-Based Radio and Convolutional Neural Networks to Construct GNSS Protection System"
- Applied 5 patents based on this project .

COMPETETION EXPERIENCE

ACM-ICPC training team   *Feb 2016 - Nov 2017*

- My rating remains fluctuating around 2000 points in codeforces.com
- Gold Medal in 2017's Group Programming Ladder Tournament(CCCC-GPLT) in Hangzhou
- Silver medal in 2017's Collegiate Computer Systems&Programming Contest(CCSP) in Fujian after 12 hours' coding

HONORS & AWARDS

- 2017's Outstanding Undergraduate of China Computer Federation   *11.2017*
- Silver Medal in CCF Collegiate Computer Systems&Programming Contest(CCSP)   *10.2017*
- 3rd place in Bronze Medal in ACM-ICPC Xi'an   *10.2017*
- 1st place in the 10th National College Student Information Security Competition   *07.2017*
- 2nd place in Group Programming Ladder Tournament (CCCC-GPLT)   *04.2017*
- Gold Medal in the Contest of Lan Qiao Cup   *04.2017*
- Gold Medal in Challenge Cup   *04.2017*
- Bronze Medal in CCF Collegiate Computer Systems&Programming Contest(CCSP)   *11.2016*
- Bronze Medal in ACM-CCPC Hefei   *10.2016*
- Bronze Medal in the 9th National College Student Information Security Competition   *08.2016*