

Hao Du

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github.com/maplearn



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: 85.55/100
- Rank: 37/745

PROFESSIONAL EXPERIENCE

Momenta Technology

Oct 2018 - Present

Research Intern, Training Platform

- Doing Research in model compression and optimized pipeline for accelerating training and inference recorded in [Github](#).
- Have Implemented [Auto-Augment](#), [Drop-Block](#), [NISP](#) in Momenta's framework based on caffe without loss of accuracy.

SenseTime Technology

Jan 2018 - Jul 2018

Apprentice Researcher, in Algorithm Platform and High Performance Computing

Shenzhen

- During this period, I have gained knowledge in a deep-learning framework(Caffe) source code and distributed training pipeline.
- Reproduce 'DGC' achieve a speedup of 30% of parallel-training sensenet(based on caffe) framework.
- Using the characteristics of nccl2, I designed a heuristic method for communicating.
- I accomplished demo [online distillation](#) in Sensenet based on caffe.

University of Electronic Science and Technology of China Cyber Security Lab

Feb 2017 - Jul 2017

Researcher

Chengdu

Completed the project "Using Software-Based Radio and Convolutional Neural Networks to Construct GNSS Protection System"

- We took phase/energy/imaginary variables as 3 channels in Resnet-18 for training.
- Then we uploaded our model to the server, and we programmed an [app](#) for it.
- Finally we applied for 5 patents(2 have been applied)

COMPETITION EXPERIENCE

ACM-ICPC training team

Feb 2016 - Nov 2017

As a team member,

- My rating remains fluctuating around 2000 points in codeforces.com
- We won the Gold Medal in 2017's Group Programming Ladder Tournament(CCCC-GPLT) in Hangzhou
- I won the silver medal in 2017's Collegiate Computer Systems&Programming Contest (CCSP) in Fujian after 12 hours' coding
- Wrong allocating time caused us having no time for the violent simple problem and we only got bronze medal

HONORS & AWARDS

- 1st place in the 10th National College Student Information Security Competition 2017.7
- 2nd place in Group Programming Ladder Tournament (CCCC-GPLT) 2017.4
- 2017's Outstanding Undergraduate of China Computer Federation 2017.11
- Gold Medal in the Contest of Lan Qiao Cup 2017.4
- 3rd place in Bronze Medal in ACM-ICPC Xi'an 2017.10
- Silver Medal in CCF Collegiate Computer Systems&Programming Contest(CCSP) 2017.10
- Gold Medal in Challenge Cup 2017.4
- Bronze Medal in CCF Collegiate Computer Systems&Programming Contest(CCSP) 2016.11
- Bronze Medal in the 9th National College Student Information Security Competition 2016.8
- Bronze Medal in ACM-CCPC Hefei 2016.10