Kang Hao

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EDUCATION BACKGROUND

Zhejiang University(ZJU)   **Hangzhou, China**
B.Eng., Computer Science   *Sept. 2019-Current*
GPA: 3.91/4
Toefl: 106(29,28,23,26)

ACADEMIC PROJECT

UCLA   **LA, America**
Research student in Bigml Lab   *Aug. 2022.8-Present*
- Working on a project about dataset pruning and subset selection with Prof Baharan.

Massachusetts Institute of Technology(MIT)   **Cambridge, America**
Research student in Han-Lab   *Aug. 2021-2022.8*
- Built a flop-counter for neural network based on onnx.
- Reasearching in distributed pytorch framework to speed up training process and decrease bandwidth.

Zhejiang University   **Hangzhou, China**
Research student in system lab   *Jul. 2020-. 2021.July*
- Designed a linux kernel based on Risc-V assembly language and RUST

Projects and Publications

Epipe:Efficient Pipeline parallelism with compression algorithms   machine learning, system
https://github.com/timmywanttolearn/Epipe
- A pipeline trianing system which decreases the bandwidth during transfer and speeds up training process.

Pytorch-OpCounter   machine learning,system
https://github.com/Lyken17/pytorch-OpCounter
- extend onnx flop counter and optimize file structure.

U-net Segmentation   cv
https://github.com/timmywanttolearn/U-net-model-for-brain-tumor-segmentation
- A code example of image segmentation based on U-net, which tells position of tumor in CD of brains.

Riscv Linux Kernel   system
https://github.com/reticenceji/oslab
- A linux kernel-like kernel based on Risc-V and RUST

SKILLS and ACHIEVEMENTS

- Extensive knowledge of Linux, ROS, Python, C++ and Java.
- Awarded as Meritorious Winner by the Consortium for Mathematics and Its Application (COMAP) *Apr. 2021*
- Sencond of 2020 "Shenzhen Cup" Mathematical Modeling Challenge   *Nov.2020*