

# Dongyu Xu

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- EDUCATION**      *B.S.      Beijing University of Posts and Telecommunications      2019.9 - 2023.7*
- INTERNSHIPS**      *Algorithm Intern      Institute of Automation, Chinese Academy of Science      2022.7 -*  
*Responsible for vehicle re-identification*
- Engineering Intern      Bytedance AI-Lab      2021.11 - 2022.5*  
*Responsible for building machine learning training systems*
- PROJECTS**
- Dataset generator      Institution of Automation  
Design and implement a pipeline to get high-quality images from large scale of raw surveillance video automatically  
The stillClass using to filter stationary vehicle which is invented by myself can filter **99.94%** stationary vehicle images
- pika system      Bytedance AI-Lab  
Implement the Trainer part of pika according to the Builder Method and offers post-processing interface  
Use multiprocessing to implement a Dataloader which can be used in both PyTorch and Tensorflow. The theoretical speed up rate is more than **7X**  
(Dataloader toy demo : <https://github.com/DongyuXu77/MultiDataloader.git>)
- CVBenchmark      Bytedance AI-Lab  
Implement a system reproducing the classical CV model to do some model compress experiments on PyTorch and TF1.15 separately
- BI-Selection      College Students' Innovation and Entrepreneurship Competition  
Design and implement a program to judge the staff's contribution to a text
- CONTRIBUTION**      pytorch/data  
#753      to\_map\_datapipe doesn't behave lazily loading in multiprocessing      Merged
- AWARDS**      Second Prize      NOIP      2016