

Very good deep learning library(dlib) for c++ programmers

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This post is write for those programmers who favor c++ and computer vision like me.

Up until recently, we cannot find any deep learning library are good enough for c++ programmers. None of them satisfy following conditions

- 1 : nice, ease to use, modern c++ api
- 2 : Support cudaDNN
- 3 : Ease to build(dependencies of caffe are horrible)
- 4 : Fast on cpu and gpu
- 5 : Good documents and examples
- 6 : It is proved to be able to deal with large network(tiny-dnn only suit for small network)

But this all change after dlib provide us deep learning module(no python binding, python already provide us many nice, deep learning library).

We all know dlib show us how good it could detect face by MMOD algorithm, but with the power of deep learning, dlib can detect face with better accuracy. Following are the links of the deep learning modules of dlib.

Easily Create High Quality Object Detectors with Deep Learning
A Clean C++11 Deep Learning API