

Finally, development of this new deep learning toolkit was sponsored by [Systems & Technology Research](#), as part of the [IARPA JANUS project](#). Without their support and feedback it wouldn't be nearly as polished and flexible. [Jeffrey Byrne](#) in particular was instrumental in finding bugs and usability problems in early versions of the API.

Posted by [Davis King](#) at [9:29 AM](#).

19 comments :



LUI said...

Excellent news. Thanks for sharing this

[June 27, 2016 at 6:04 AM](#)



Vladimir Yumatov said...

Are you sure that VS2015 doesn't support C++11? At least, your DNN examples work just fine for me. But I had to remove C++11 support check from use_cpp_11.cmake file because it will always fail with MSVC anyway.

[July 22, 2016 at 7:24 AM](#)



Davis King said...

Some of them work. Did you try to compile all the example programs?

[July 22, 2016 at 8:12 AM](#)



Vladimir Yumatov said...

Apparently, ImageNet examples can't be built. Building process goes on forever. Well, that's a shame. Anyway, thanks for the reply.

[July 25, 2016 at 5:50 AM](#)



mohanraj said...

Am trying to compile Dlib 19.0 using cmake. The following errors are occurred. Am using Visual Studio 2012 to compile the dlib.

error C1083: Cannot open include file: 'initializer_list': No such file or directory hel

kindly help me to solve the errors.

[July 26, 2016 at 6:29 AM](#)



Davis King said...

What compiler are you using?

[July 26, 2016 at 6:38 AM](#)



Unknown said...

I think problem is Cudnn library is not compatible with higher than msvs 2013.

[July 28, 2016 at 1:32 PM](#)



Davis King said...

Yeah that's a problem. But visual studio also doesn't support C++11 so the CPU mode of dlib doesn't work either, regardless of any cuDNN considerations.

[July 28, 2016 at 7:06 PM](#)



Andreo said...

Davis, thank you for your great library! Did you ever thought about training your face landmark network on MUCT database?

<https://github.com/StephenMilborrow/muct>

It has 76 facial points on each photo and your network could be more precise with such training set.

[December 13, 2016 at 5:00 AM](#)



Davis King said...

I'm sure you could train it on that dataset and get a working model. I'm not going to do it though as I have other more pressing things to do :)

[December 13, 2016 at 6:50 AM](#)



Andreo said...

Thank you for reply)

[December 15, 2016 at 12:04 AM](#)



oğuz çetino said...



Hello Mr. King

I want to ask few questions about dlib shape predictor training. Is this the right platform ?
Thank you in advance.
Oguz Cetinol

[February 1, 2017 at 8:56 AM](#)

Kaiyin Zhong said...

Is it possible to export a model in tensorflow format (.pb)? Thanks!

[September 13, 2017 at 9:08 AM](#)

Davis King said...

No. The only kind of exporter is the caffe exporter in dlib's tools folder.

[September 13, 2017 at 9:21 AM](#)

Profeta said...

Dear Davis King, Good Morning! Is there a way I can use OpenCL with ARM in DLib running in Linux ubuntu? for example ODROID-XU4, OpenCL Support, Heterogeneous Multi-Processing ARM® big.LITTLE™ Technology, and octa-core ARM. thank you so much
Alexandre

[October 19, 2017 at 5:38 AM](#)

Davis King said...

You can run dlib on ARM chips. But it won't use OpenCL.

[October 19, 2017 at 5:43 AM](#)

Profeta said...

Hello Davis King,

Thank you for the answer.

But is there any way I can use the ARM MALI T628 GPU? or not? It would be very interesting DLib in a small card running at the highest speed. And it's very cheap. Look at that quick little thing http://www.hardkernel.com/main/products/prdt_info.php

Thank you and best wishes

alexandre

[October 23, 2017 at 11:05 AM](#)

miguel said...

Hi Davids, great work with c++ Api. It is great! I am trying to use hinge loss with the lenet architecture to perform binary classification on a dataset I have. From the documentation I found that the hinge loss should give values above zero for positives, and below for negatives. Unfortunately this is not happening to me, could you advise on what I might be doing wrong? I have 6000 samples (balanced data), and the performance. In the past I used hog with svm and the performane was quite good, so I was expecting to improve it with lenet.

Thanks in advance,

Miguel Lourenço

[November 7, 2017 at 4:24 PM](#)

Jon Hauris said...

Hello Davis, How do I determine which image the "image index" refers to. Specifically:

I am training my own detector and received the following:

"RuntimeError: An impossible set of object labels was detected ..."

1. It said that the problem was "image index 1017". How do I find which image this is referring to in the xml file?

2. It also give the "truth rectangle" and "nearest detection template rect:" with their bounding box params. None of which match any of my bb's. What are these rectangles referring to?

3. Where do I adjust the "match_eps"

Thank you, Jon

[November 8, 2017 at 6:14 PM](#)

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