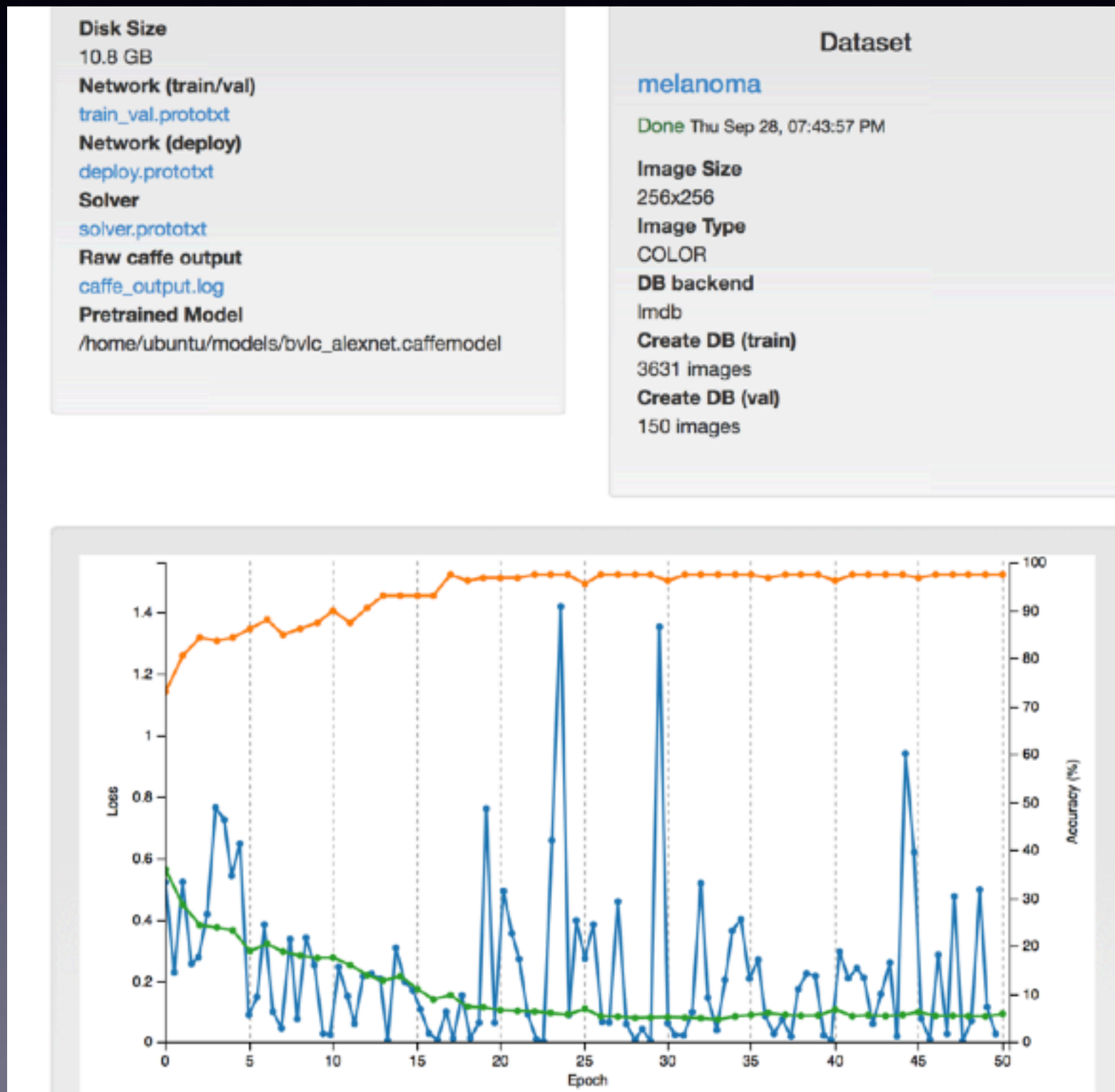
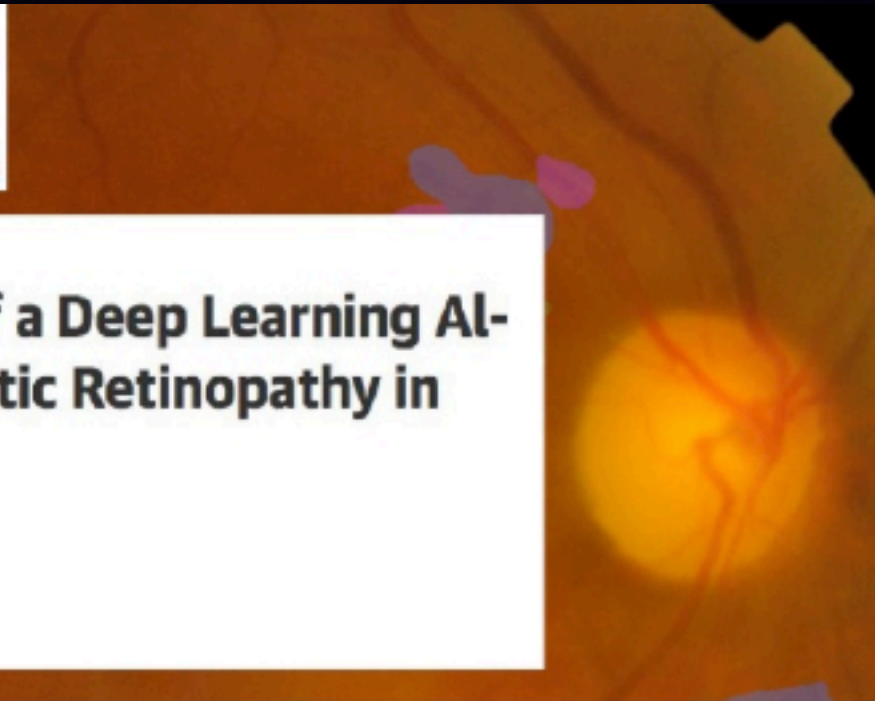


# Deployment-Caffe, Nvidia DIGITS





**JAMA** The Journal of the  
American Medical Association

December 13, 2016

## Development and Validation of a Deep Learning Algorithm for Detection of Diabetic Retinopathy in Retinal Fundus Photographs

Varun Gulshan, PhD<sup>1</sup>; Lily Peng, MD, PhD<sup>1</sup>; Marc Coram, PhD<sup>1</sup>; [et al](#)

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JAMA. 2016;316(22):2402-2410. doi:10.1001/jama.2016.17216

Performance **on par or slightly better** than the median of 8 U.S. board-certified ophthalmologists (F-score of 0.95 vs. 0.91).  
<http://research.googleblog.com/2016/11/deep-learning-for-detection-of-diabetic.html>

- source: <http://blog.ycombinator.com/jeff-deans-lecture-for-yc-ai/>