

Deep Learning Software



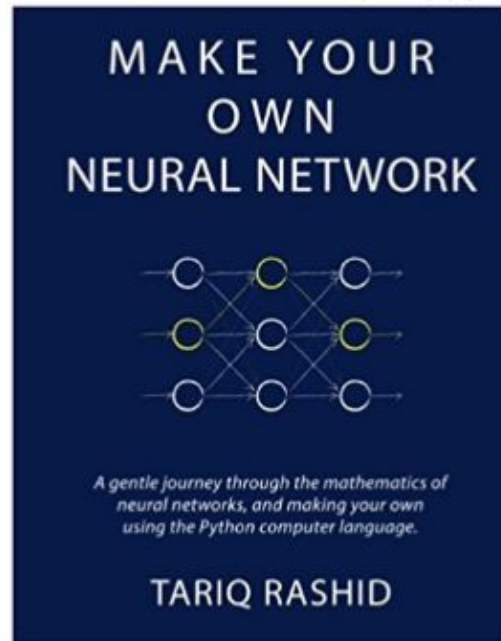
w/ leading Companies

- TensorFlow
- MXNet
- Keras
- Theano
- Torch
- Apache Singa
- Neon
- Caffe
- Anaconda
- OpenNN
- Deeplearning4j
- cuDNN
- CNTK
- MatConvNet

What do you use?

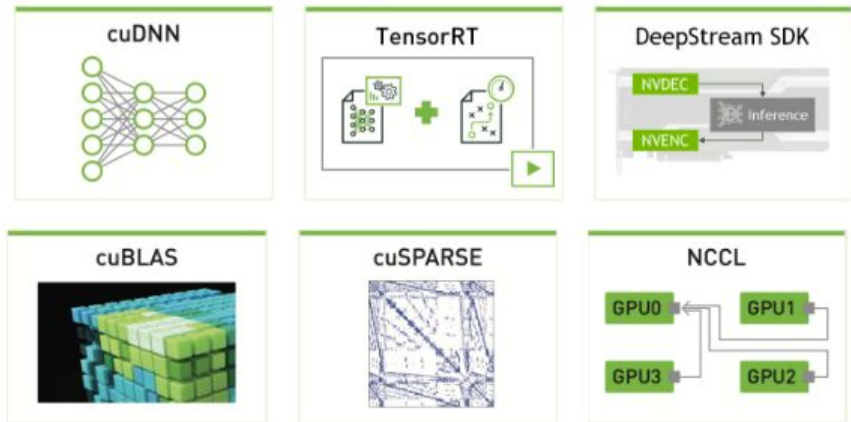
From Scratch! <Insert Favorite Language> or Python...

- Neural Networks are easier to build than you might think! There's probably already a book on Neural Networks + your favorite language out there.
- Python is a very popular language for Deep Learning. Anaconda, Notebooks, Numpy, SciPy, PyTorch, TensorFlow, Keras, Caffe, Theano, Lasagne, mxnet, DIGITS, etc.





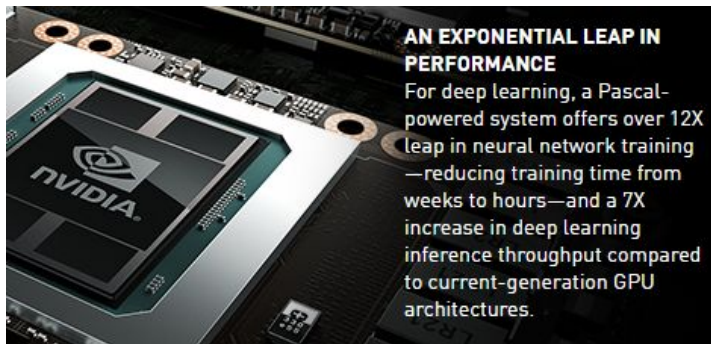
- Deep Learning SDK, DIGITS



- Accelerates Deep Learning Frameworks...

Hardware for Deep Learning...

Pascal (mixed-precision computing, 3D memory), DGX-1 (\$\$\$), Jetson (\$), Cloud



Caffe



DL4J
Deeplearning4j

K
KERAS

Microsoft
CNTK

MatConvNet

MINERVA

mxnet



theano





- DeepMind
- AlphaGo
- Google Brain
- Google FaceNet
- Word2Vec
- Google Deep Dream...



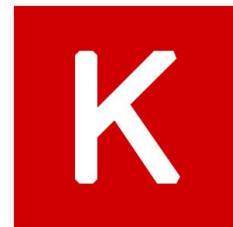
- **TensorFlow**

- TFLearn
- TPU
- [Playground](#)



- **Keras** ([Examples](#))

- TensorFlow
- DeepLearning4j
- Theano
- CNTK

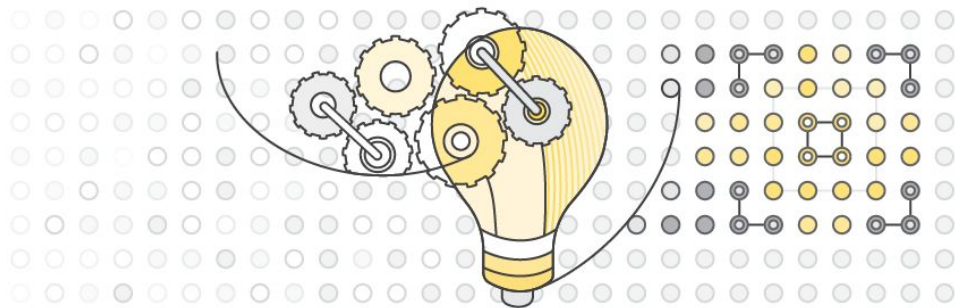




- Microsoft Cognitive Toolkit (CNTK)
- Azure Notebooks
- DSVM
- Azure Machine Learning Studio
- Cortana Intelligence Suite
- MSSQL Analysis Services (DMX)
- Maluuba



- Apache MXNet Preference
- Amazon AI (Lex, Rekognition, Polly)
- Amazon Machine Learning
- Deep Learning AMI
- Alexa Services
- AWS



And lots more!

- PaddlePaddle by Baidu
- Neon by Intel
- Watson by IBM
- Deeplearning4j for Java
- ImageNet
- OpenNN
- Apache Signa, MXNet
- Caffe
- Torch, PyTorch
- DeepCore by our very own Aleksey!

Checkout...

http://wiki/Comparison_of_deep_learning_software

Quickly get started by spinning up
a Docker Container or a Cloud
instance!

