

PAPERS AND LINK ON MACHINE LEARNING

1. A. Putnam et al., "[A reconfigurable fabric for accelerating large-scale datacenter services](#)", *Proc. of ACM/IEEE 41st International Symposium on Computer Architecture (ISCA)*, p. 13-24. Jun. 2014.
 2. E. Nurvitadhi et al., "[Can FPGAs Beat GPUs in Accelerating Next-Generation Deep Neural Networks?](#)", *Proc. of FPGA'17*, p. 5-14. Feb. 2017, Monterey, USA.

 3. S. Yin, et al., "[An Ultra-High Energy-Efficient Reconfigurable Processor for Deep Neural Networks with Binary/Ternary Weights in 28NM CMOS](#)", IEEE Symposium on VLSI Circuits, 2018.
 4. D. Shin, et al., "[DNPU: An 8.1TOPS/W reconfigurable CNN-RNN processor for general-purpose deep neural networks](#)", IEEE International Solid-State Circuits Conference (ISSCC), 2017.
 5. J. Lee, et al., "[An Energy-Efficient Deep Neural Network Accelerator With Fully Variable Weight Bit Precision](#)", IEEE Journal of Solid-State Circuits, Volume: 54, Issue: 1, Jan. 2019.
 6. Q. He, et al., "[Effective Quantization Methods for Recurrent Neural Networks](#)", arXiv.org, 2016.
 7. L. Lai, et al., "[Deep Convolutional Neural Network Inference with Floating-point Weights and Fixed-point Activations](#)", arXiv.org, 2017.
 8. S. Hashemi, et al., "[Understanding the impact of precision quantization on the accuracy and energy of neural networks](#)", Design, Automation & Test in Europe Conference (DATE), 2017.
 9. J.H. Ko, et al., "[Adaptive weight compression for memory-efficient neural networks](#)", Design, Automation & Test in Europe Conference (DATE), 2017.
 10. I. Chakraborty, et al., "[Efficient Hybrid Network Architectures for Extremely Quantized Neural Networks Enabling Intelligence at the Edge](#)", arXiv.org, 2019.
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Links and Tutorials

1. Bryan Catanzaro (Baidu), "[Computer Arithmetic in Deep Learning](#)"
 2. Adit Deshpande, "[A Beginner's Guide To Understanding Convolutional Neural Networks](#)"
 3. Manfred Zabarauskas, "[Eigenfaces Tutorial](#)"
 4. Shubhendu Trivedi, "[Face Recognition using Eigenfaces and Distance Classifiers: A Tutorial](#)"
 5. Jer Ming Chen, "[Eigenfaces for Dummies](#)"
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