Deep Learning Resources

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1. "Training Neural Networks II." CS231N Convolutional Neural Networks for Visual Recognition, Stanford University, 2022. [*Mean Subtraction, Normalization, PCA and Whitening*]

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1. "Training Neural Networks II." CS231N Convolutional Neural Networks for Visual Recognition, Stanford University, 2022. [*Pitfalls All Zero, Small Random Numbers, Calibrating Variances, Batch Normalization*]

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1. "Training Neural Networks III." CS231N Convolutional Neural Networks for Visual Recognition, Stanford University, 2022. [*SGD, Momentum, Nesterov Momentum, Adagrad, RMSprop, Adam*]

2. Diederik Kingma and Jimmy Ba, "Adam: A Method for Stochastic Optimization", ICLR 2015 [*Original Adam Paper*]

5.2 Regularization

1. "Training Neural Networks II." CS231N Convolutional Neural Networks for Visual Recognition, Stanford University, 2022. [*L2, L1, Max Norm Constraints*]

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1. "Training Neural Networks II." CS231N Convolutional Neural Networks for Visual Recognition, Stanford University, 2022. [*Dropout, Inverted Dropout, Code Implementation*]

2. Srivastava et al. "Dropout: A Simple Way to Prevent Neural Networks from Overfitting." University of Toronto, 2014

3. Hinton, Geoffrey E. et al. "Improving neural networks by preventing co-adaptation of feature detectors." ArXiv, 2012.

6 Hardware and Software

1. Chadha, Amani. "CS231N Deep Learning Hardware and Software." Aman's AI Journal, 2020.