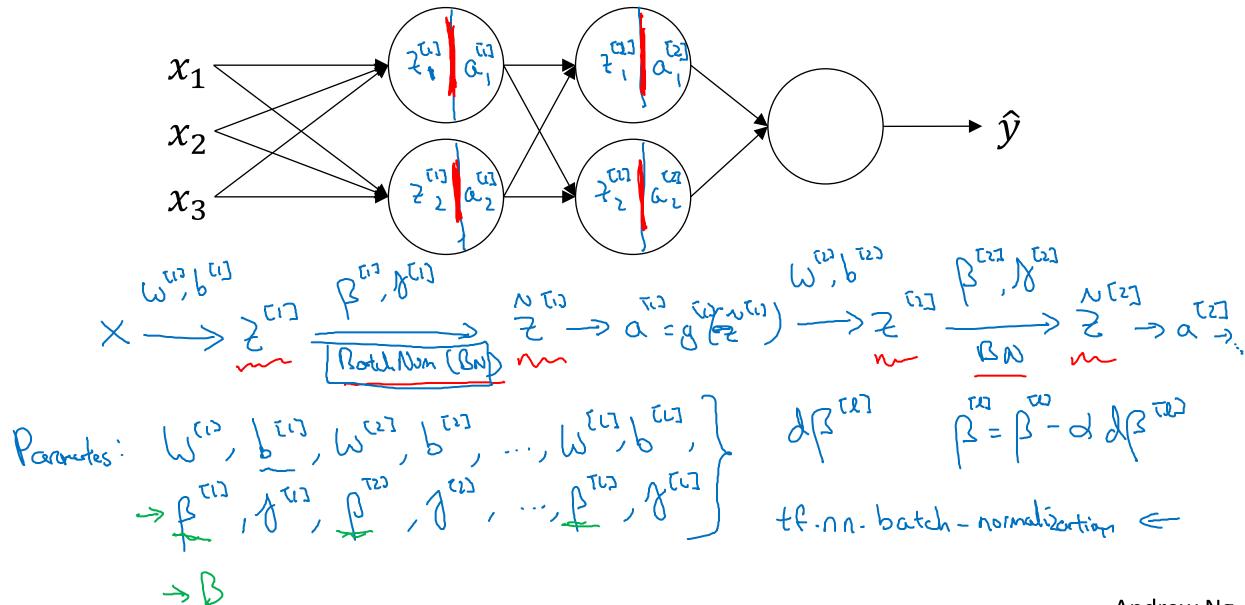


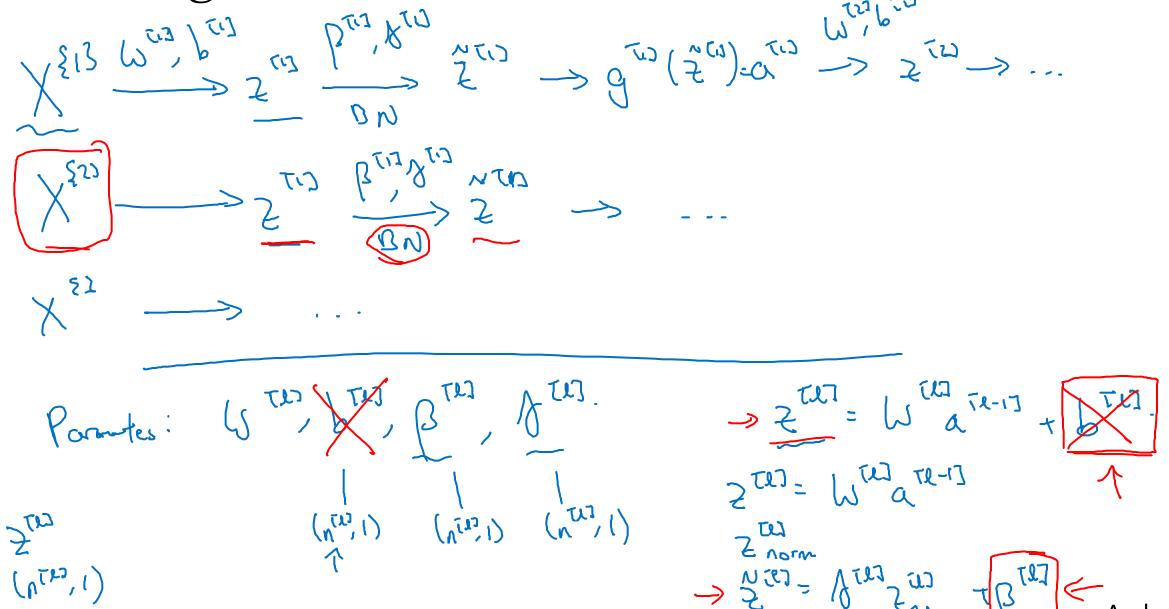
## Batch Normalization

# Fitting Batch Norm into a neural network

#### Adding Batch Norm to a network



#### Working with mini-batches



### Implementing gradient descent

for t=1 .... num Mini Bortches Compute Cornal Pap on X Et3. It eat hidden lay, use BN to report 2 with 2 Tes. Update partes Wes: = Wi-adwind } = Bin adwind Bin adwind } = Bin adwind Bin Works w/ momente, RMSpap, Adam.