and dz [1] = dA [1] \* 9 [1] (Z [1])

dw [1] = \( dZ [1] \). A [10-1] \( \text{m} \) Vectorized Version: db[l] = 1 np.svm (dZ[l] anis = 1 keepdims = True) over da El-13 = WElst dz [2] Update Cycle: X -> Relu - Relu bin Class? da [1] -4 + (1-4) dw[2] Hyper parameters: Hyper params values impact learning algo's params
Params: W<sup>[1]</sup>, b<sup>[1]</sup>W, b<sup>[2]</sup>, b<sup>[3]</sup>[1] Myper params: Learning rate ~ # it mathers # hidden layer L # hidden unit h [1], N [2] Choice of activation for Momentum, mini batch size, regular izations, --later will also see -> Applied deep learning is a very emperical process gotten try a 6+ of values