

deeplearning.ai

## One hidden layer Neural Network

Gradient descent for neural networks

## Gradient descent for neural networks

Parameters: 
$$(J^{U})$$
  $b^{U}$   $b^{U}$ 

## Formulas for computing derivatives

Formal Propagation:
$$Z_{23} = P_{23}(S_{23}) = e(S_{23})$$

$$Y_{23} = P_{23}(S_{23}) = e(S_{23})$$

$$Y_{23} = P_{23}(S_{23}) = e(S_{23})$$

$$Y_{23} = P_{23}(S_{23}) = e(S_{23})$$