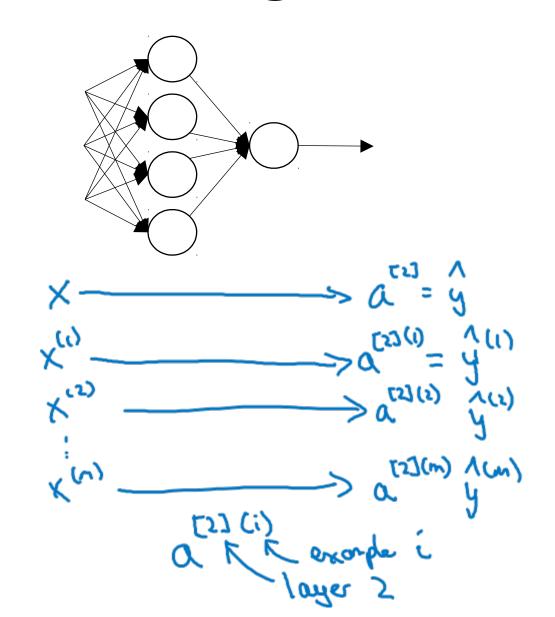
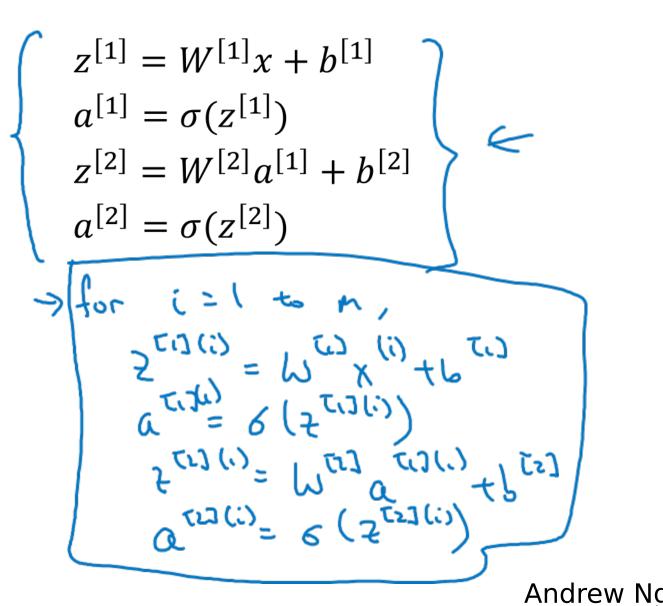


One hidden layer Neural Network

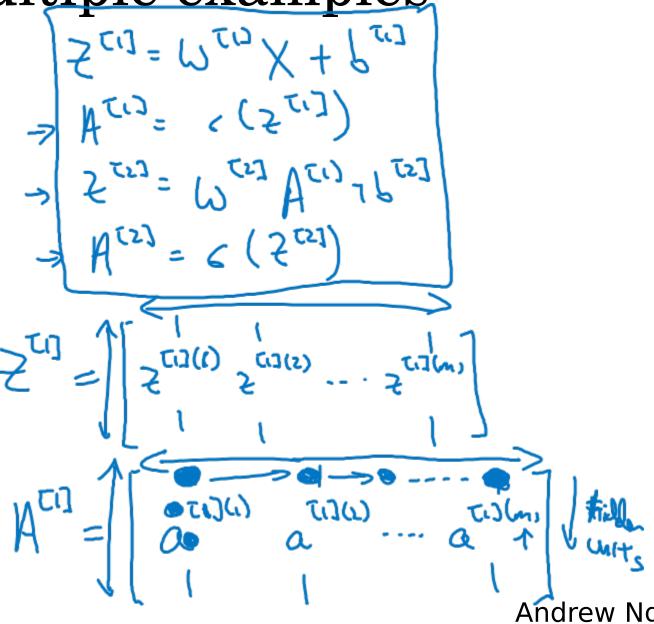
Vectorizing across multiple examples

Vectorizing across multiple examples





Vectorizing across multiple examples

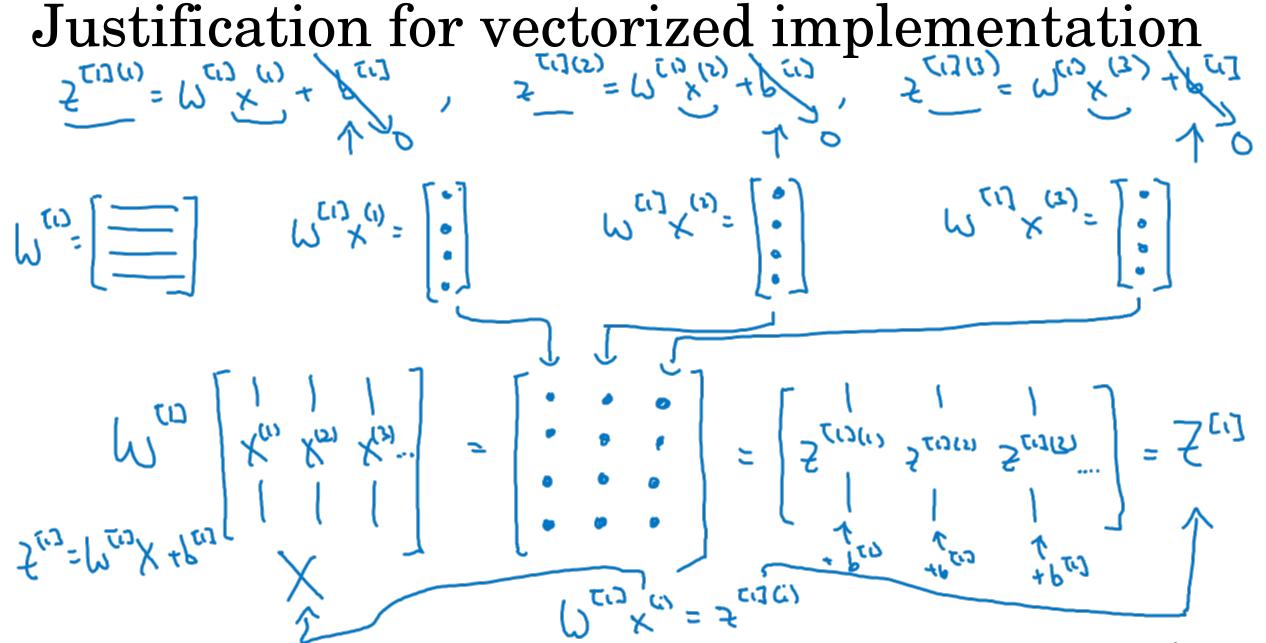




deeplearning.ai

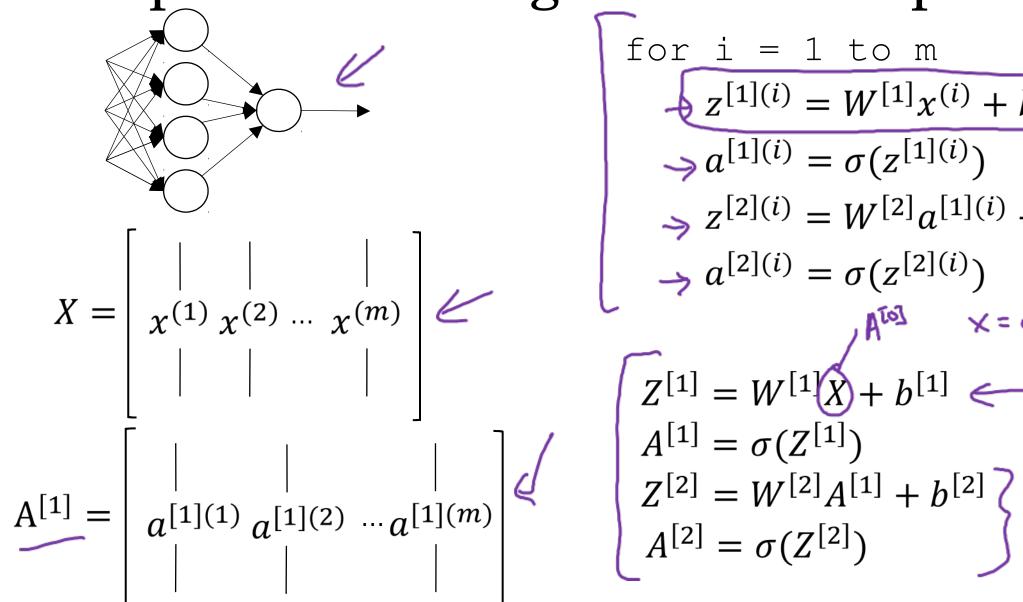
One hidden layer Neural Network

Explanation for vectorized implementation



Andrew No

Recap of vectorizing across multiple examples



```
\Rightarrow a^{[1](i)} = \sigma(z^{[1](i)})
    > z^{[2](i)} = W^{[2]}a^{[1](i)} + b^{[2]} 
  \rightarrow a^{[2](i)} = \sigma(z^{[2](i)})
                     , A[0] X = a[0] X() = a[0](1)
Z^{[1]} = W^{[1]}X + b^{[1]} \leftarrow W^{[1]}X^{(1)} + b^{[1]} = \sigma(Z^{[1]})
                                                Andrew No
```