Week 3 Quiz
Quiz, 6 questions

6/6 points (100.00%)

✓ **Congratulations! You passed!**

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   point

1.
What is a Convolution?

◯ A technique to isolate features in images
▲

Correct

◯ A technique to filter out unwanted images

◯ A technique to make images bigger

◯ A technique to make images smaller

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   point

2.
What is a Pooling?

◯ A technique to reduce the information in an image while maintaining features
▲

Correct

◯ A technique to combine pictures

◯ A technique to make images sharper

◯ A technique to isolate features in images

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3.

How do Convolutions improve image recognition?

○   They isolate features in images

Correct

○   They make processing of images faster

○   They make the image clearer

○   They make the image smaller

✔   1 / 1
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4.

After passing a 3x3 filter over a 28x28 image, how big will the output be?

○   28x28

○   26x26

Correct

○   25x25

○   31x31

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5.

After max pooling a 26x26 image with a 2x2 filter, how big will the output be?

○   13x13

Correct

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28x28

○　28x28

○　26x26

○　56x56

✔　1 / 1
point

6.

Applying Convolutions on top of our Deep neural network will make training:

○　Stay the same

◉　It depends on many factors. It might make your training faster or slower, and a poorly designed Convolutional layer may even be less efficient than a plain DNN!

▲

Correct

○　Slower

○　Faster