07_01_8:51:28PM

jordans model ## Stats

```
Total Tests: 312
correct predictions: 167
incorrect predictions: 145
Percentage correct: 53.53%
Most missed predictions
AllWires:  10
BrokenWires:  11
FooBar:  1
Glue:  22
NoWires:  81
OneThirdsWires:  14
TwoThirdsWires:  6
```

Model Summary

```
Model: "sequential" _________________________________________________________________
Layer (type)                 Output Shape              Param #
=================================================================
rescaling (Rescaling)        (None, 480, 480, 3)       0         _________________________
conv2d (Conv2D)              (None, 480, 480, 16)      448       _________________________
conv2d_1 (Conv2D)            (None, 480, 480, 16)      2320
_________________________________________________________________
max_pooling2d (MaxPooling2D) (None, 240, 240, 16)      0         _________________________
conv2d_2 (Conv2D)            (None, 240, 240, 16)      2320
_________________________________________________________________
conv2d_3 (Conv2D)            (None, 240, 240, 16)      2320
_________________________________________________________________
max_pooling2d_1 (MaxPooling2 (None, 120, 120, 16)      0         _________________________
conv2d_4 (Conv2D)            (None, 120, 120, 32)      4640
_________________________________________________________________
conv2d_5 (Conv2D)            (None, 120, 120, 32)      9248
_________________________________________________________________
batch_normalization (BatchNo (None, 120, 120, 32)      128       _________________________
max_pooling2d_2 (MaxPooling2 (None, 60, 60, 32)        0         _________________________
conv2d_6 (Conv2D)            (None, 60, 60, 32)        9248
_________________________________________________________________
conv2d_7 (Conv2D)            (None, 60, 60, 32)        9248
_________________________________________________________________
max_pooling2d_3 (MaxPooling2 (None, 30, 30, 32)        0         _________________________
conv2d_8 (Conv2D)            (None, 30, 30, 32)        9248
_________________________________________________________________
conv2d_9 (Conv2D)            (None, 30, 30, 32)        9248
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```

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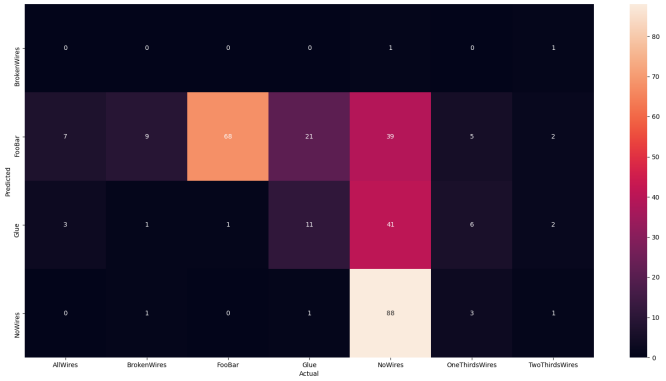
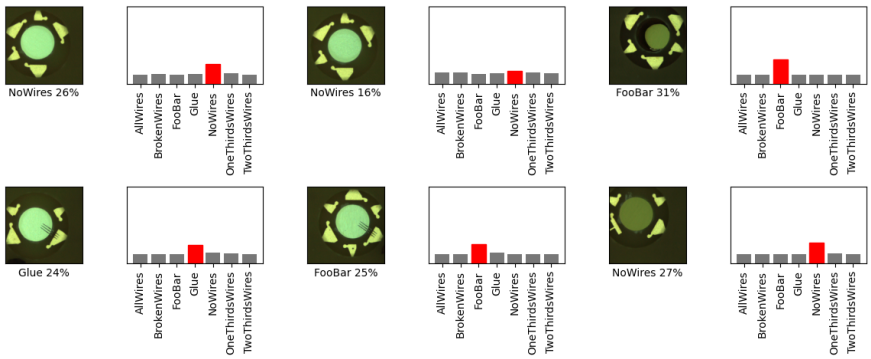
max_pooling2d_4 (MaxPooling2 (None, 15, 15, 32)        0         _________________________
conv2d_10 (Conv2D)           (None, 15, 15, 32)        9248
_________________________________________________________________
conv2d_11 (Conv2D)           (None, 15, 15, 32)        9248
_________________________________________________________________
max_pooling2d_5 (MaxPooling2 (None, 7, 7, 32)          0         _________________________
conv2d_12 (Conv2D)           (None, 7, 7, 32)          9248
_________________________________________________________________
conv2d_13 (Conv2D)           (None, 7, 7, 32)          9248
_________________________________________________________________
max_pooling2d_6 (MaxPooling2 (None, 3, 3, 32)          0         _________________________
conv2d_14 (Conv2D)           (None, 3, 3, 64)          18496
_________________________________________________________________
max_pooling2d_7 (MaxPooling2 (None, 1, 1, 64)          0         _________________________
flatten (Flatten)            (None, 64)                0         _________________________
dense (Dense)                (None, 128)               8320
_________________________________________________________________
dropout (Dropout)            (None, 128)               0         _________________________
dense_1 (Dense)              (None, 32)                4128
_________________________________________________________________
dense_2 (Dense)              (None, 32)                1056
_________________________________________________________________
dense_3 (Dense)              (None, 7)                 231       ==========================
Total params: 127,639 Trainable params: 127,575 Non-trainable
params: 64 ____________________________________________________________________
```



Confusion Matrix



Random Samples