

## tf.nn.relu\_layer

```
relu_layer(  
    x,  
    weights,  
    biases,  
    name=None  
)
```

Defined in [tensorflow/python/ops/nn\\_impl.py](#).

Computes  $\text{Relu}(x * \text{weight} + \text{biases})$ .

## Args:

- `x`: a 2D tensor. Dimensions typically: batch, in\_units
- `weights`: a 2D tensor. Dimensions typically: in\_units, out\_units
- `biases`: a 1D tensor. Dimensions: out\_units
- `name`: A name for the operation (optional). If not specified "nn\_relu\_layer" is used.

## Returns:

A 2-D Tensor computing  $\text{relu}(\text{matmul}(x, \text{weights}) + \text{biases})$ . Dimensions typically: batch, out\_units.

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