tf.zeros_like

```
zeros_like(
    tensor,
    dtype=None,
    name=None,
    optimize=True
)
```

Defined in `tensorflow/python/ops/array_ops.py`.

See the guide: Constants, Sequences, and Random Values > Constant Value Tensors

Creates a tensor with all elements set to zero.

Given a single tensor (`tensor`), this operation returns a tensor of the same type and shape as `tensor` with all elements set to zero. Optionally, you can use `dtype` to specify a new type for the returned tensor.

For example:

```
tensor = tf.constant([[1, 2, 3], [4, 5, 6]])
tf.zeros_like(tensor)  # [[0, 0, 0], [0, 0, 0]]
```

Args:

- `tensor`: A `Tensor`.
- `dtype`: A type for the returned `Tensor`. Must be `float32`, `float64`, `int8`, `int16`, `int32`, `int64`, `uint8`, `complex64`, or `complex128`.
- `name`: A name for the operation (optional).
- `optimize`: if true, attempt to statically determine the shape of 'tensor' and encode it as a constant.

Returns:

A `Tensor` with all elements set to zero.

Last updated November 2, 2017.