

# Turicreate Machine learning Model

Turicreate is made from apple and uses TensorFlow to create a similar search very quickly and with minimal effort

Pros:

no need to train

Need reference photos

Lots of documentation

Cons:

Not kept up to date

The last working version is python 3.8

Does it work for new mac M1 chips

Difficult installation

Github: <https://github.com/apple/turicreate.git>

## Installation

For detailed instructions for different varieties of Linux see [LINUX\\_INSTALL.md](#). For common installation issues see [INSTALL\\_ISSUES.md](#).

We recommend using virtualenv to use, install, or build Turi Create.

```
pip install virtualenv
```

The method for installing *Turi Create* follows the [standard python package installation steps](#). To create and activate a Python virtual environment called `venv` follow these steps:

```
# Create a Python virtual environment
cd ~
virtualenv venv
```

```
# Activate your virtual environment
source ~/venv/bin/activate
```

Alternatively, if you are using [Anaconda](#), you may use its virtual environment:

```
conda create -n virtual_environment_name anaconda
conda activate virtual_environment_name
```

To install Turi Create within your virtual environment:

```
(venv) pip install -U turicreate
```

## Documentation

The package [User Guide](#) and [API Docs](#) contain more details on how to use Turi Create.

## GPU Support

Turi Create does not require a GPU, but certain models can be accelerated 9-13x by utilizing a GPU.

Linux	macOS 10.13+	macOS 10.14+ discrete GPUs, macOS 10.15+ integrated GPUs
Activity Classification	Image Classification	Activity Classification
Drawing Classification	Image Similarity	Object Detection
Image Classification	Sound Classification	One Shot Object Detection
Image Similarity		Style Transfer
Object Detection		
One Shot Object Detection		

Sound  
Classification

Style Transfer

macOS GPU support is automatic. For Linux GPU support, see [LinuxGPU.md](#).

## Building From Source

If you want to build Turi Create from source, see [BUILD.md](#).

## Contributing

Prior to contributing, please review [CONTRIBUTING.md](#) and do not provide any contributions unless you agree with the terms and conditions set forth in [CONTRIBUTING.md](#).

We want the Turi Create community to be as welcoming and inclusive as possible, and have adopted a [Code of Conduct](#) that we expect all community members, including contributors, to read and observe.