**Project Installation Document**

1. Environment requirement:

# 4 processor GPU, 8Gb RAM

# We are not sure about the total training time now, we guess the training time could be more than 2 days. We are not sure how long the run time we need to set for our node.

# Dependency:

Python3 virtual environment/Anaconda are all good for us.

Python version: 3.6

Tensorflow version: 1.10

CUDA version: 9.0

CUDnn. 7.3.0

1. Installation Manual:

* Clone this repo:

git clone -b master --single-branch https://github.com/alexlee-gk/video\_prediction.git

cd video\_prediction

* Install ffmpeg

sudo yum install ffmpeg ffmpeg-devel

* Install other dependencies

pip install -r requirements.txt

* Donwload the dataset

bash data/download\_and\_preprocess\_dataset.sh bair

* Download the pre-trained model

bash pretrained\_models/download\_model.sh bair\_action\_free ours\_savp