name: "FaceClassification"

layer {

name: "data"

type: "Data"

include {

phase: TRAIN

}

transform\_param {

# crop\_size: 60

mean\_value: 127

mirror: true

}

data\_param {

source: "data/face\_classification/train\_lmdb"

batch\_size: 32

backend: LMDB

}

top: "data"

top: "label"

}

layer {

name: "data"

type: "Data"

include {

phase: TEST

}

transform\_param {

# crop\_size: 60

mean\_value: 127

mirror: false

}

data\_param {

source: "data/face\_classification/test\_lmdb"

batch\_size: 24

backend: LMDB

}

top: "data"

top: "label"

}

# Layer 1

layer {

name: "conv1"

type: "Convolution"

bottom: "data"

top: "conv1"

param {

lr\_mult: 1

}

param {

lr\_mult: 1

}

convolution\_param {

num\_output: 20

kernel\_size: 5

}

}

layer {

name: "relu1"

type: "ReLU"

bottom: "conv1"

top: "conv1"

}

layer {

name: "norm1"

type: "LRN"

bottom: "conv1"

top: "norm1"

}

layer {

name: "pool1"

type: "Pooling"

bottom: "norm1"

top: "pool1"

pooling\_param {

kernel\_size: 2

stride: 2

}

}

# Layer 2

layer {

name: "conv2"

type: "Convolution"

bottom: "pool1"

top: "conv2"

param {

lr\_mult: 1

}

param {

lr\_mult: 1

}

convolution\_param {

num\_output: 40

kernel\_size: 7

}

}

layer {

name: "relu2"

type: "ReLU"

bottom: "conv2"

top: "conv2"

}

layer {

name: "norm2"

type: "LRN"

bottom: "conv2"

top: "norm2"

}

layer {

name: "pool2"

type: "Pooling"

bottom: "norm2"

top: "pool2"

pooling\_param {

kernel\_size: 2

stride: 2

}

}

# Layer 3

layer {

name: "conv3"

type: "Convolution"

bottom: "pool2"

top: "conv3"

param {

lr\_mult: 1

}

param {

lr\_mult: 1

}

convolution\_param {

num\_output: 80

kernel\_size: 11

}

}

layer {

name: "relu3"

type: "ReLU"

bottom: "conv3"

top: "conv3"

}

layer {

name: "norm3"

type: "LRN"

bottom: "conv3"

top: "norm3"

}

# Layer 4

layer {

name: "fc4"

type: "InnerProduct"

bottom: "norm3"

top: "fc4"

param {

lr\_mult: 1

}

param {

lr\_mult: 1

}

inner\_product\_param {

num\_output: 2

}

}

layer {

name: "loss"

type: "SoftmaxWithLoss"

bottom: "fc4"

bottom: "label"

top: "loss/loss"

}

layer {

name: "accuracy/top1"

type: "Accuracy"

bottom: "fc4"

bottom: "label"

top: "accuracy@1"

include: { phase: TEST }

accuracy\_param {

top\_k: 1

}

}