def plot\_confusion\_matrix(y\_true, y\_pred, title='', labels=[0,1]):

cm = confusion\_matrix(y\_true, y\_pred)

fig = plt.figure()

ax = fig.add\_subplot(111)

cax = ax.matshow(cm)

plt.title(title)

fig.colorbar(cax)

ax.set\_xticklabels([''] + labels)

ax.set\_yticklabels([''] + labels)

plt.xlabel('Predicted')

plt.ylabel('True')

fmt = 'd'

thresh = cm.max() / 2.

for i, j in itertools.product(range(cm.shape[0]), range(cm.shape[1])):

plt.text(j, i, format(cm[i, j], fmt),

horizontalalignment="center",

color="black" if cm[i, j] > thresh else "white")

plt.show()