CS 889 Assignment 01

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description:

- OS: macOS Sierra 10.12.2
- camera: 1280×720 FaceTime HD Camera
- problem:
- gcc on my mac was out of date and needed to be updated before installing opencv3
- cv2.waitKey() function works in terminal but not working if using ipython notebook
- solution: see comments below because it's simple and easy
- resources: help to understand the basic process and useful functions https://opencv-python-tutroals.readthedocs.io/en/latest/py_tutorials/py_gui/py_table_of_contents_gui/py_table_of_contents_gui.html#py-table-of-content-gui (https://opencv-python-tutroals.readthedocs.io/en/latest/py_tutorials/py_gui/py_table_of_contents_gui/py_table_of_contents_gui.html#py-table-of-content-gui)

In [5]:
```python
# Yuwei Jiao 20645480

# import necessary libraries
%matplotlib inline
import numpy as np
import cv2
# provided helper function to display image inline
from helpers import imshow

# load image and display it
img = cv2.imread('pic.jpg')
imshow(img, 'my selfie')
```

my selfie

```
# create an VideoCapture object using camera 0
cap = cv2.VideoCapture(0)
# capture a single frame and display it
ret, frame = cap.read()
imshow(frame, 'camera')
# destroy the object
cap.release()
```

camera