CECS 551
Assignment 8
Total: 34 Points

General Instruction

- Submit uncompressed file(s) in the Dropbox folder via BeachBoard (Not email).

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1. Evaluate an implemented and pre-trained YOLO algorithm. Please note that you don't need to implement and train them. Your outcome of this assignment will be a prerequisite for the next assignment.
   (a) Search and study implemented software. You can use any open source code.
   (b) Adapt one or more implementations, and import them into your workstation.
   (c) (10 points) Take 16 selfies as shown in Figure 1. Please be creative. (These images will be used for the next assignment as well.)
   (d) (24 points) Evaluate the performance of the imported software by varying the parameters.
      - Fix box threshold p_c as 0.6, then vary IoU threshold as $0.5, 0.6, 0.7, 0.8$
      - Fix IoU threshold as 0.5, then vary box threshold p_c as $0.6, 0.7, 0.8, 0.9$
   (e) Summary your result into a single pdf file. The report should include citations for all of the references. You will have $16 \times 4 \times 2$ images in your report. You do not need to submit your source code.

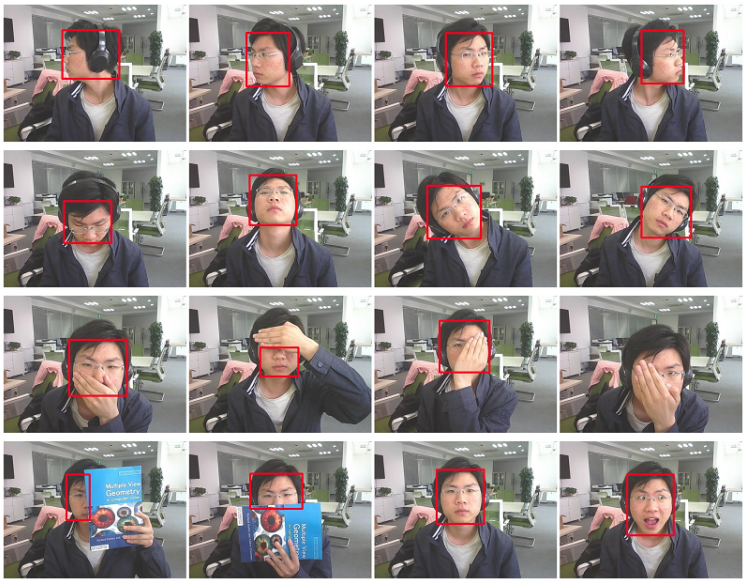

Figure 1: An example of test image