

104 Lab 8 Documentation

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Class: EE 104

First Video Link: <https://youtu.be/Xjl8DmecItU>

Second Video Link: <https://www.youtube.com/watch?v=AvcHf69TSyU>

GitHub Link: <https://github.com/henry91513/EE-104-Lab-8-Files>

YoLo Model Creation

The full name length of YOLO is “You Only Look Once”, It falls in the single-stage deep learning-based object detectors category. Yolo has a total of four versions and all of them are part of the Darknet framework and capable of real-time object identification. As for our personal object and new personal training, we will have to create a new dataset with the YAML files and from the Github package modified Open Labeling tool file. The result of the training is successful and the outputs are shown in the below graphs

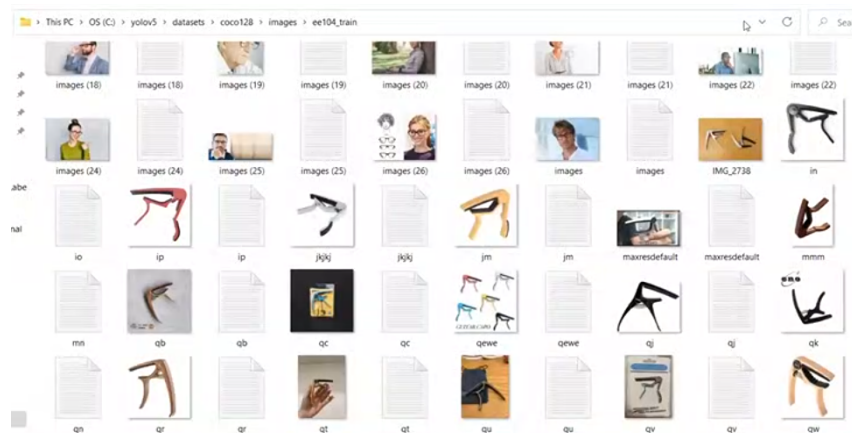


Figure 1: YOLO Model Training Image Source



Figure 2: Training Result With Two Partners Being Identified Correctly



Figure 3: Training Result With Two Capo Being Identified Correctly

Dancing Game Development

In the dancing game assignment, we are required to modify the game, in our own modifications hacks and tweaks will be added to the game including the following features a longer dance length, a friend to play the game with, and a piece of changed music song.

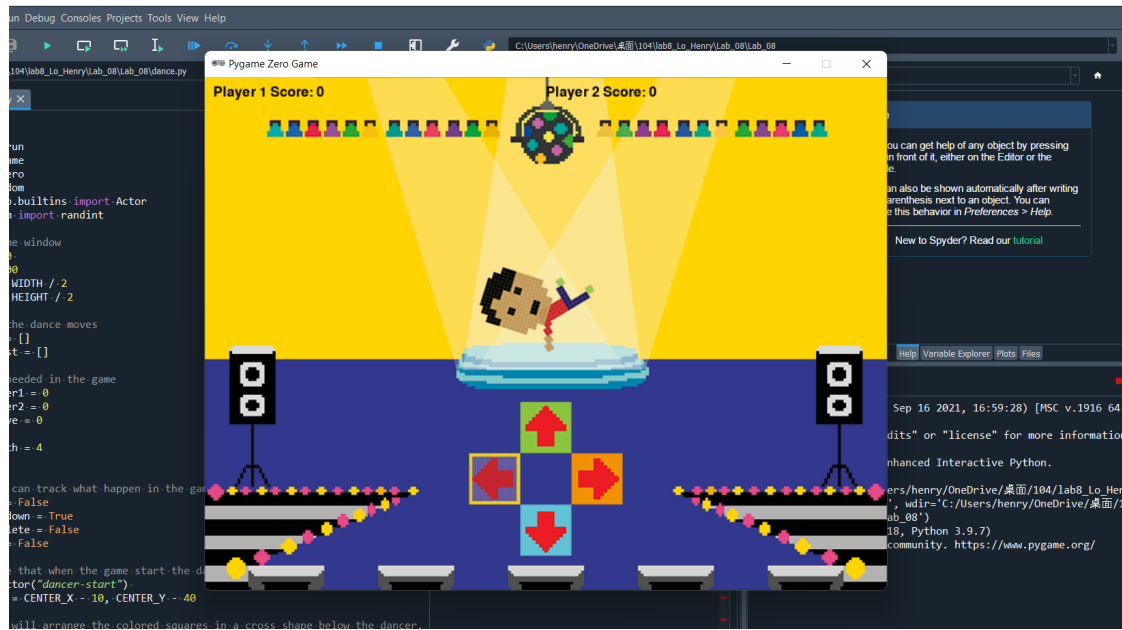


Figure 3: Dancing Game Initiated Screen