

TODO  
Check shared conda  
venv

### **main.py**

*Parse input params, iterate over images in vid*

### **video.py (Gab)**

*Loads vid as img array, outputs img array as vid*

```
imgs = video_load(path)
video_export(path, name, imgs)
```

### **segment.py**

*Segments arrow, symbols and background*

```
outImg = segment_prePro(img)
pos = segment_getArrow(img) (Gab)
listObj = segment_getObj(img) #returns list of
binary 28x28pxl subimages, with position in struct
(Kilian)
```

### **Equation.py (Kilian)**

*Class*

**Param**

prevPos

map

prevSymbol

equ

**Method**

\_\_init\_\_(listObj)

currEq = newRobPos(pos)

### **overlay.py (Jérôme)**

*Adds overlay on output images*

```
outImg = overlay_addPos(img, posList)
outImg = overlay_addEq(img, eq)
```

### **classify.py**

*Classifies binary sub images*

```
res = classify_digit(subImg) (Jérôme)
res = classify_symbol(subImg)
```