

CarCarClass

Week15自選題

進度報告

週三下午第七組

李柏辰 李奕辰 陳裕穎



本週進度

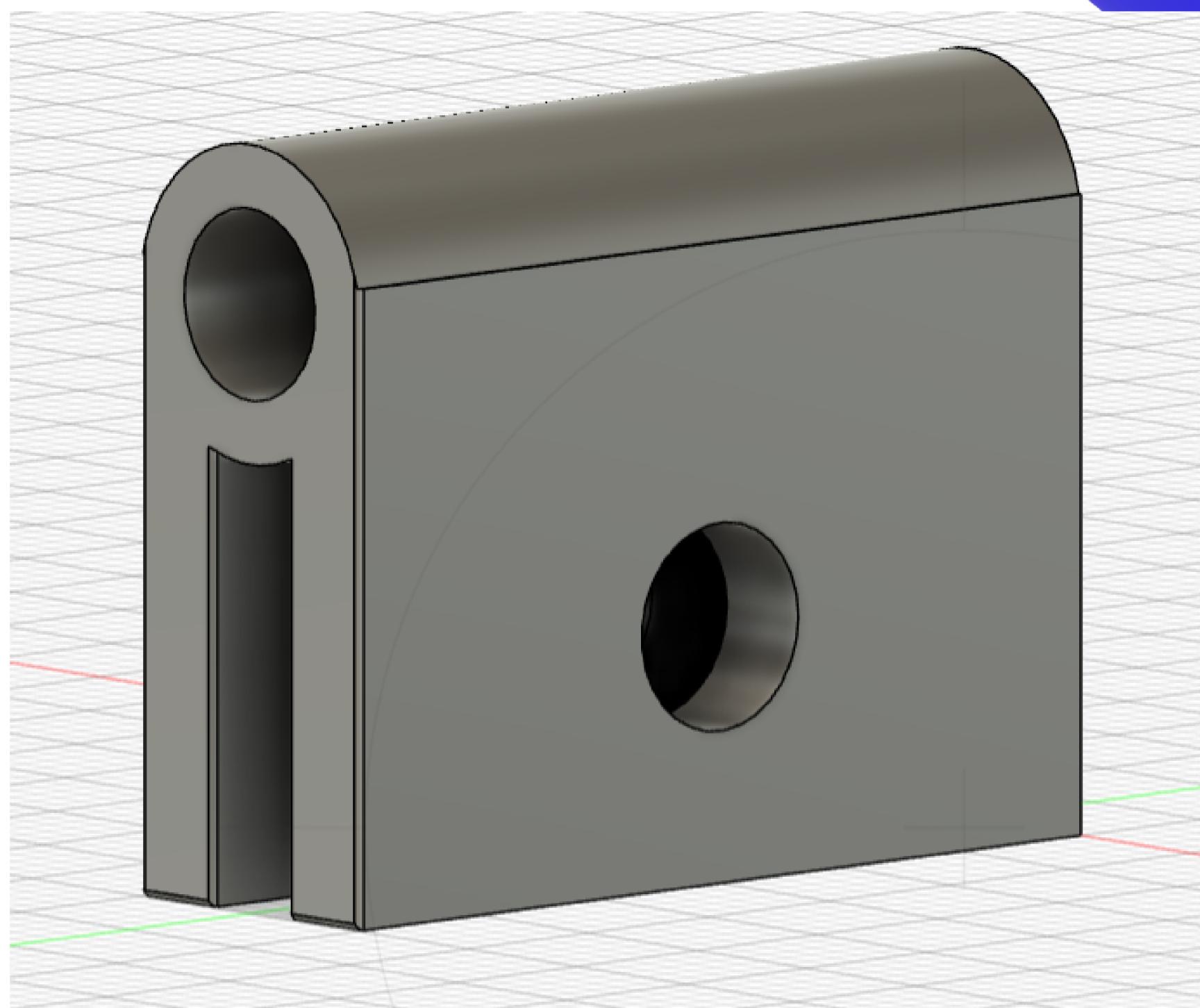
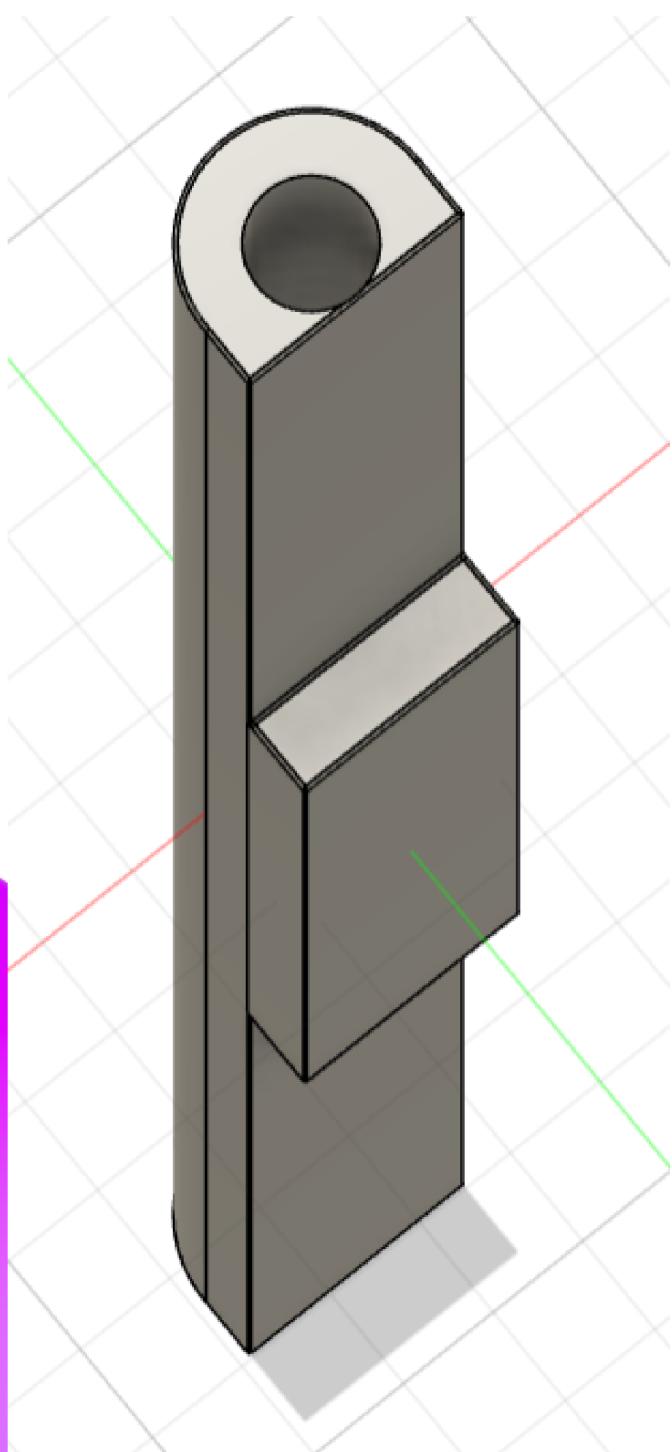
軟體

- OpenCV人臉偵測
- OpenCV五官偵測
- 螺桿&馬達控制
- 參數算法
- 整合

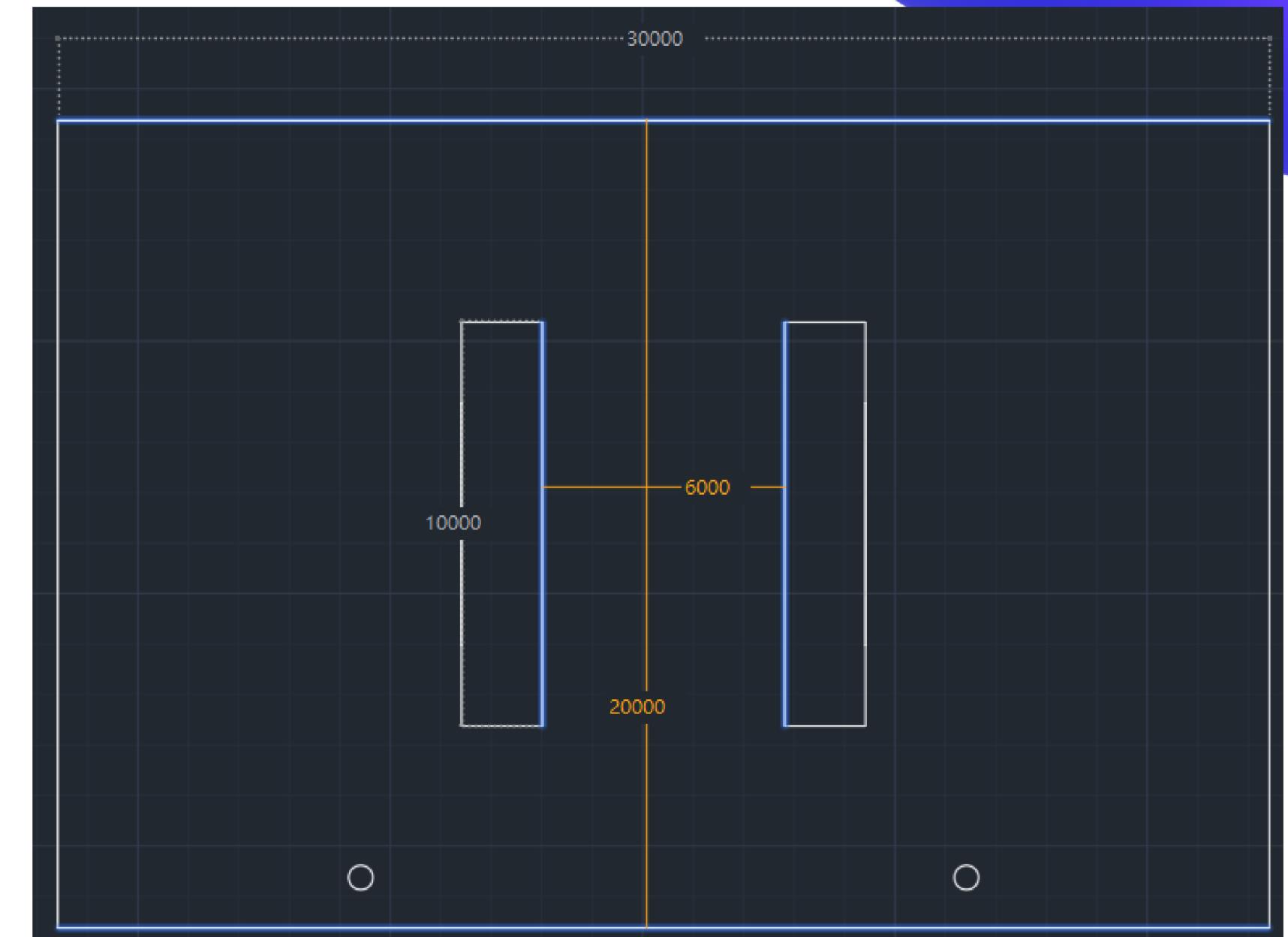
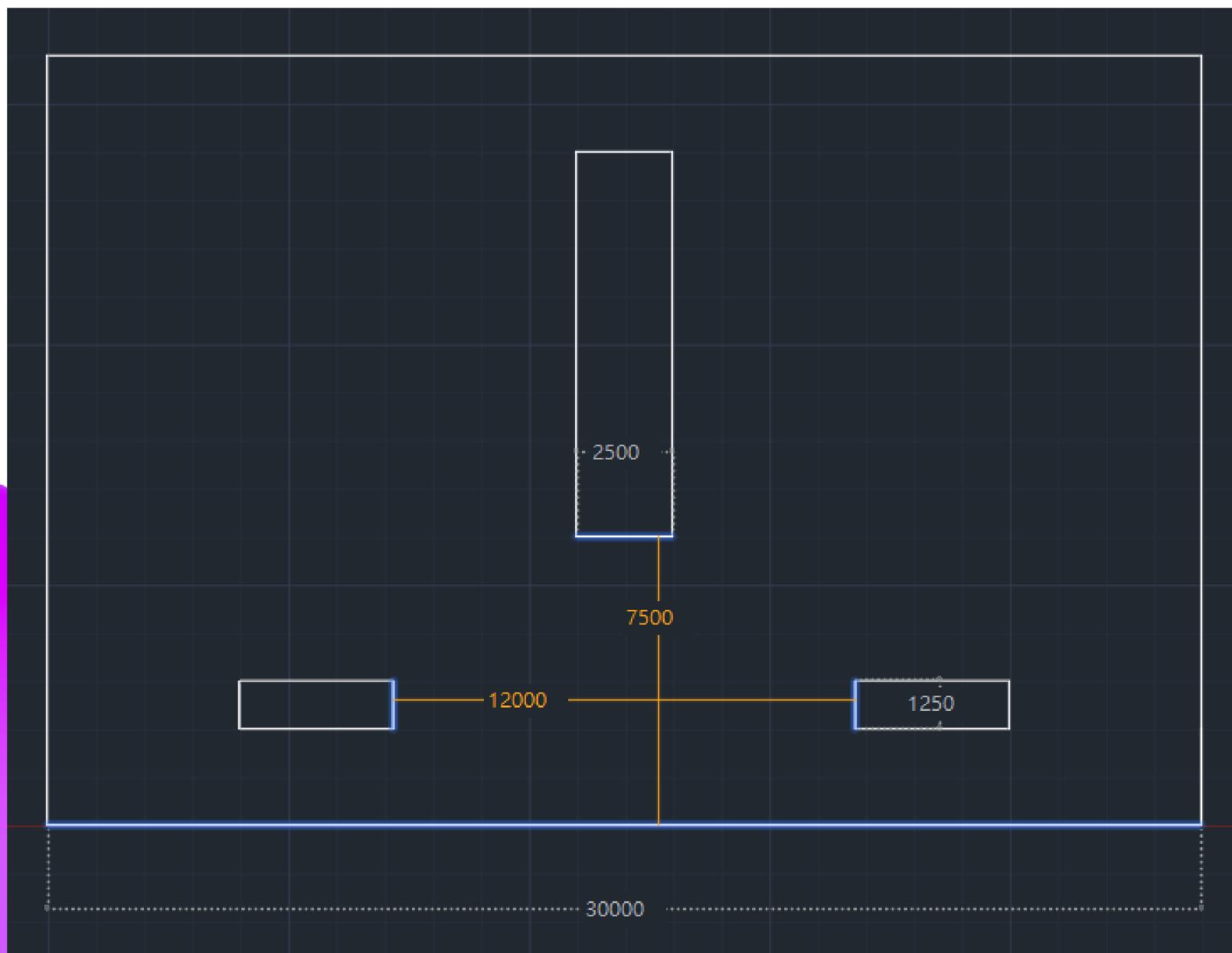
硬體

- 設計書架結構
- 零件購買完成
- 學習 AutoCAD 和 Blender
- 畫完所有零件
- 印出所有零件
- 組裝

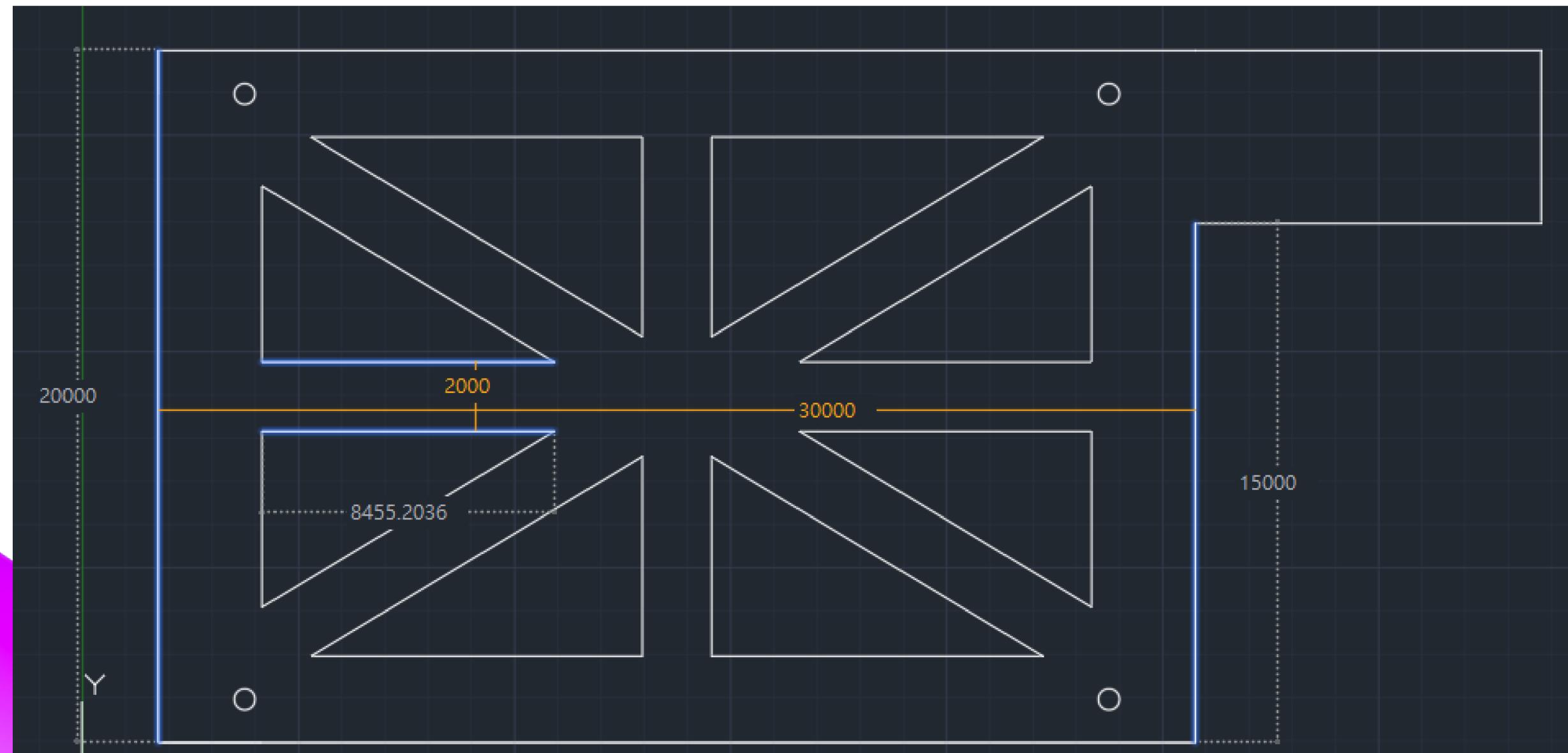
硬體-3DP



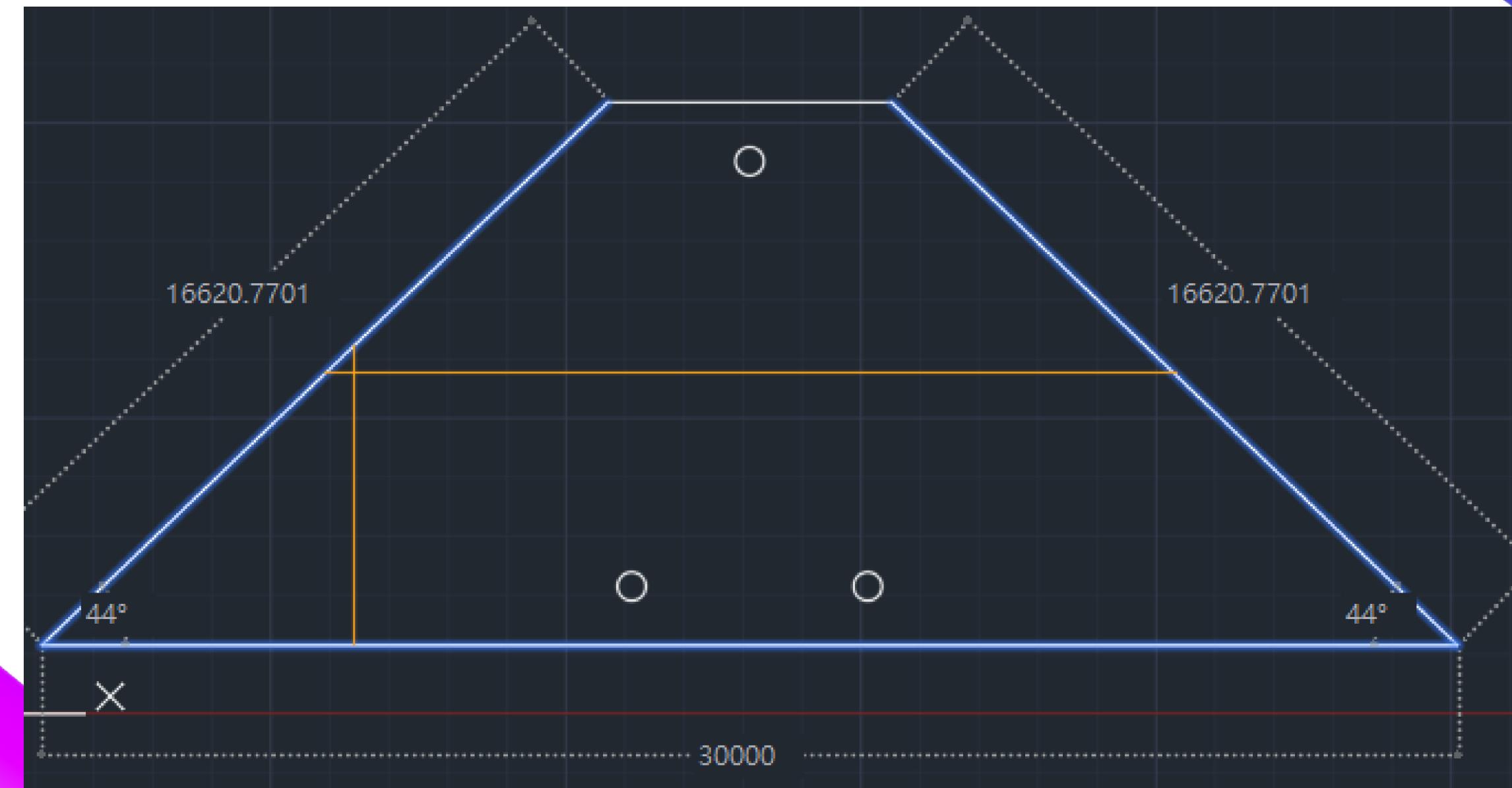
硬體-雷切



硬體



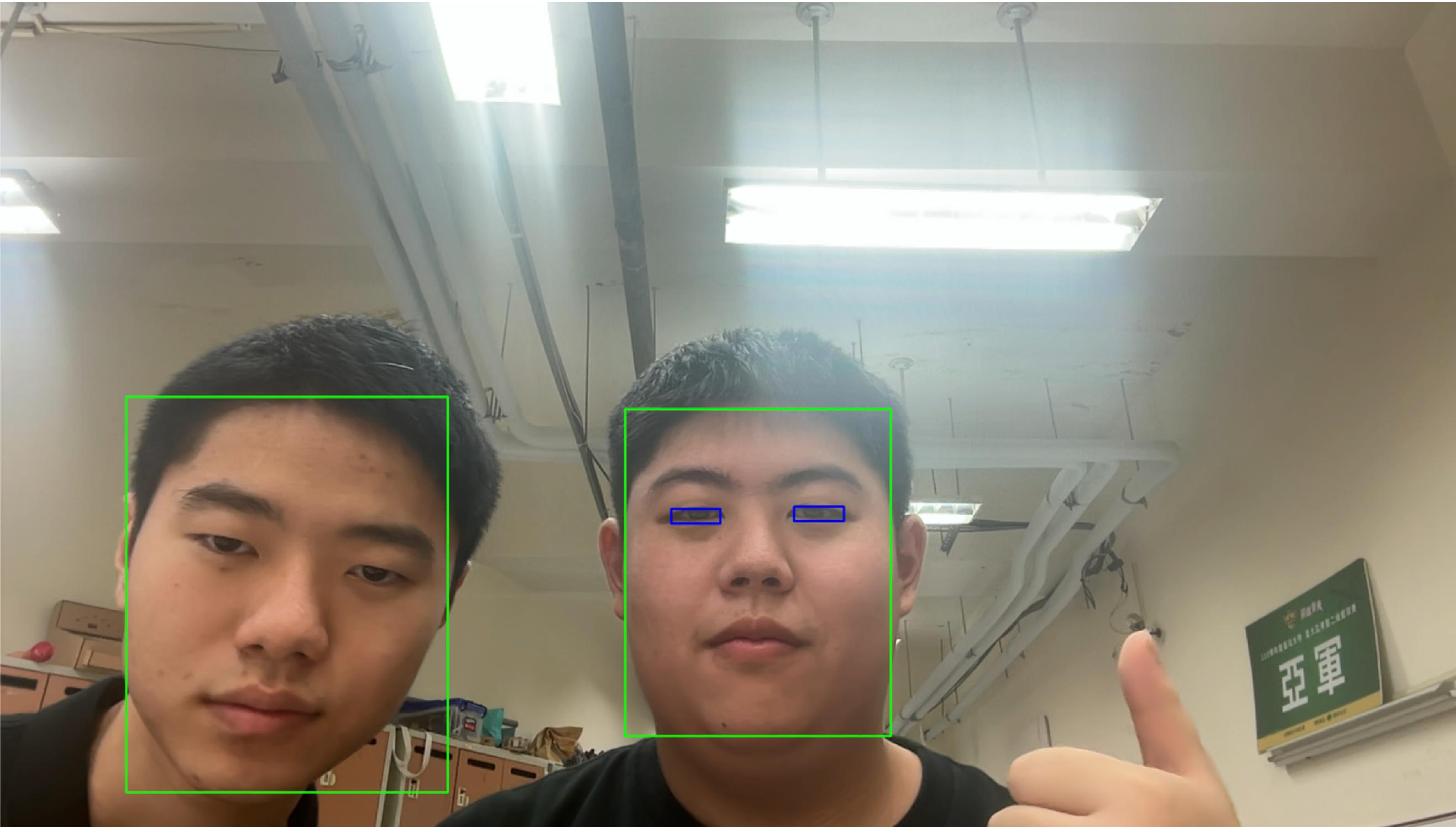
硬體



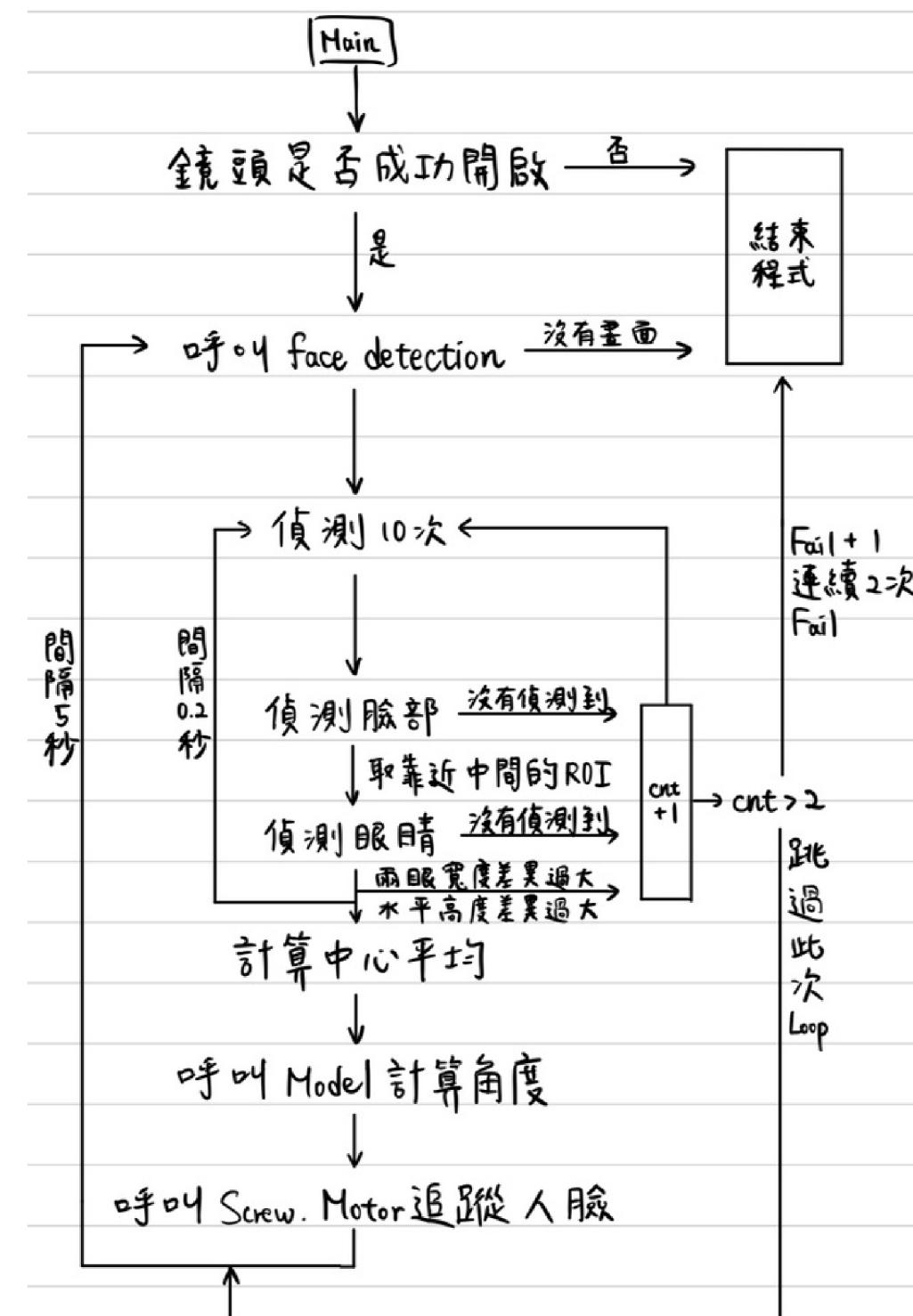
問題

螺桿
圖仍需要修正

軟體

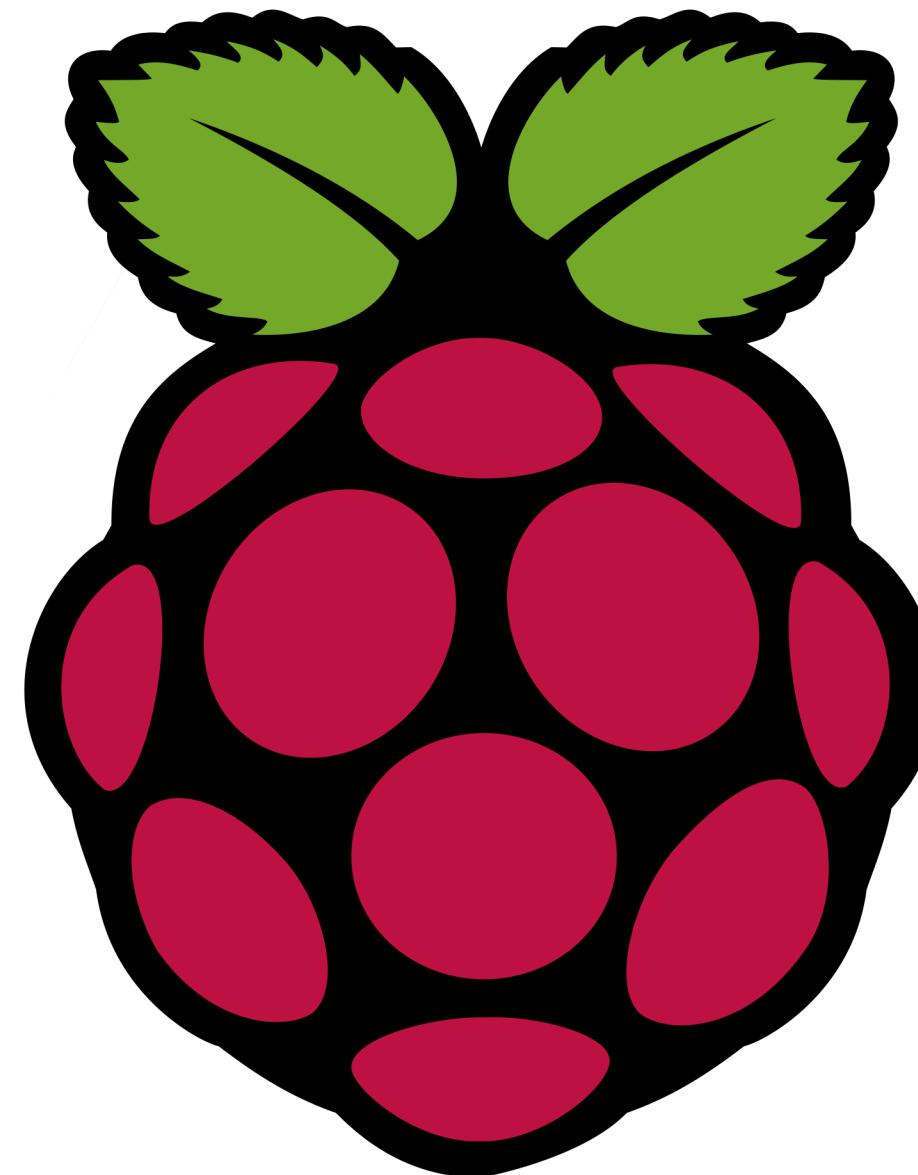


軟體



Face Center: $(x, y) = (936.1, 826.6)$
Vertical Distance: 286.6
Average Eyes Width: 76.0
Angle: 9.0
Current Angle: (25.0, 25.0)
Skip this loop!

軟體



問題大了

RPi 5 + Pi Camera 3
OpenCV 讀不到？

- ▼ 軟體整合
 - 大臉偵測
 - 五官偵測
 - 參數演算法
 - 馬達控制
- ▼ 樹莓派整合
 - 鏡頭設定
 - GPIO操控
- ▼ 硬體整合
 - 零件設計
 - 零件製作/購買
 - 零件組裝

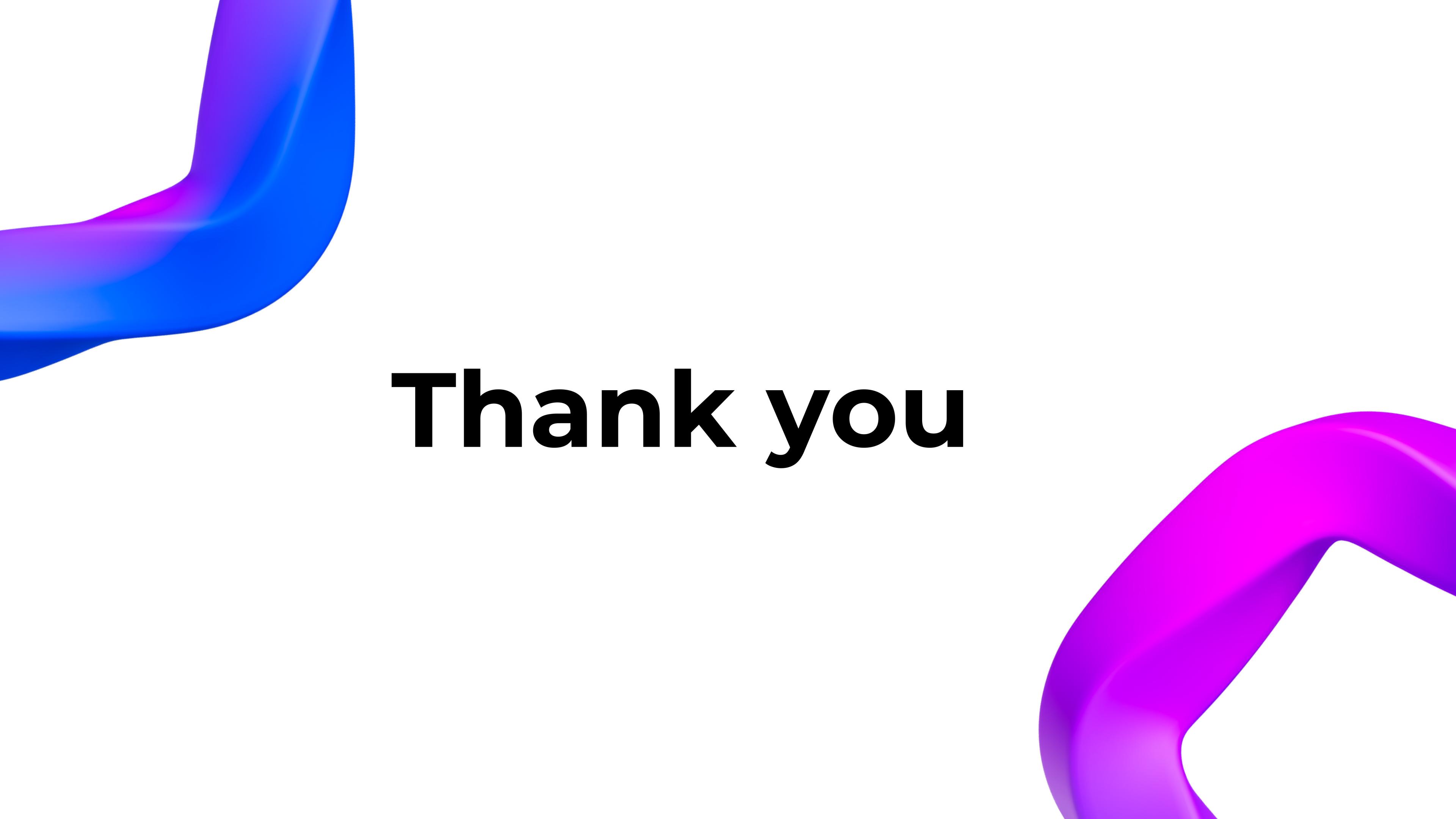
軟體

(李奕辰)

硬體

(李柏辰)

陳裕穎)



Thank you