블럭도

<https://drive.google.com/file/d/1AZA_HlnQqCGZRhArYxMdqzkAqBgoEwge/view?usp=sharing>

인공지능 로봇팔 물건을 인식하여 집어서 분류

그래도

<https://www.youtube.com/watch?v=YZovpasZSjc>

^^^

이거 모델로 만들자

서보모터 MG996R

https://eduino.kr/product/detail.html?product\_no=416&gclid=CjwKCAjwgsqoBhBNEiwAwe5w026RRnOubxOZ8uqpqoLYYn\_PoXRBc\_ArL-sKP\_SOSld6HspibpqFlBoCwuYQAvD\_BwE

마이크로서보모터 SG90

https://www.devicemart.co.kr/goods/view?no=12503474&gclid=CjwKCAjwvfmoBhAwEiwAG2tqzNdgEGCin-QO2dGhbaPkMnyILwk3WOvcgjrnw3rtzcgYODKAt5lxihoCgicQAvD\_BwE

서보모터 드라이버

<https://item.gmarket.co.kr/Item?goodscode=2732630652&GoodsSale=Y&jaehuid=200013954&utm_source=google&utm_medium=im_productda&utm_campaign=pmax&utm_content=pm_roas_feed&gclid=CjwKCAjwgsqoBhBNEiwAwe5w0zB8S0PmS2ZWw57f1FOQuadQp6OWGW-jS4EIKsDLh-lNnCFtpYAucxoCC6UQAvD_BwE>

3D프린터 모델

<https://thangs.com/d> esigner/HowToMechatronics/3d-model/Robotic%20Arm%203D%20Model-38899

stm32를 이용한 모터제어

yolo v5

텐서플로우

open CV

물건 분류 모델

로봇팔 제어(좌표)

STM32와 모터 드라이버연결

http://wiki.sunfounder.cc/index.php?title=PCA9685\_16\_Channel\_12\_Bit\_PWM\_Servo\_Driver