**Bill of Materials**

**Group Info**

Chenyu Jiang ID: cj1573

Hanwen Liao ID: hl3636

**Materials**

**Sensors**

SG90 9G Servo Motor

$1.439/pcs×2 $2.878

[Link](https://www.amazon.com/Micro-Helicopter-Airplane-Remote-Control/dp/B072V529YD/ref=sr_1_2_sspa?keywords=servo&qid=1575151847&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUExV0VNMTE3ME1ESTRCJmVuY3J5cHRlZElkPUEwODUzODI5MlkyVDlINDE0TTdBRSZlbmNyeXB0ZWRBZElkPUEwNjg5MzkxMUxTWEdERjJGT044SSZ3aWRnZXROYW1lPXNwX2F0ZiZhY3Rpb249Y2xpY2tSZWRpcmVjdCZkb05vdExvZ0NsaWNrPXRydWU=)

Ultrasonic Distance Measuring Module

$1.399×3 $4.197

[Link](https://www.amazon.com/WMYCONGCONG-HC-SR04-Ultrasonic-Distance-Measuring/dp/B07JJHCVRG/ref=sr_1_2_sspa?keywords=ultrasonic+module&qid=1575152112&sr=8-2-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmaWVyPUEzSVQ0QjdNNzNUODlPJmVuY3J5cHRlZElkPUEwOTI5MDM3UDgwNEJHMkU3NTFGJmVuY3J5cHRlZEFkSWQ9QTA2NTEyMTQzNFgzQjM4RUE0M0tCJndpZGdldE5hbWU9c3BfYXRmJmFjdGlvbj1jbGlja1JlZGlyZWN0JmRvTm90TG9nQ2xpY2s9dHJ1ZQ==)

PWM Servo Driver

$4.03×1 $4.03

[Link](https://www.amazon.com/Onyehn-Channel-PCA9685-Arduino-Raspberry/dp/B07GJCPWW2/ref=sr_1_4?crid=1AGMTRENELU8R&keywords=pwm+servo+driver&qid=1575152308&sprefix=pwm+servo+d%2Caps%2C136&sr=8-4)

3 Axis Accelerometer Gyroscope Module

$4.99×1 $4.99

[Link](https://www.amazon.com/gp/product/B01DK83ZYQ/ref=ox_sc_act_title_1?smid=A30QSGOJR8LMXA&psc=1)

**Car Kit**

Robot Smart Car Chassis Kit

$17.99×1 $17.99

[Link](https://www.amazon.com/gp/product/B07DNXBFQN/ref=ppx_yo_dt_b_asin_title_o03_s00?ie=UTF8&psc=1)

Motor Driver Module

$4.495×2 $8.99

[Link](https://www.amazon.com/gp/product/B07KDZJ8Y3/ref=ppx_yo_dt_b_asin_title_o01_s00?ie=UTF8&psc=1)

**Total**

Sensors $16.095

Car Kit $26.98

**Total $43.075**