

## SOFTWARE HARDWARE LIST

SOFTWARE					
Chp No.	Software required (With version)	Free/ Proprietary	Download links to the software	Hardware specifications	OS required
1,2	ROS Kinetic Kame	Free	<a href="http://wiki.ros.org/kinetic">http://wiki.ros.org/kinetic</a>	PC, RasPi	Ubuntu
1,2	VirtualBox 5.2.12	Free	<a href="https://www.virtualbox.org/">https://www.virtualbox.org/</a>	PC	Windows + Ubuntu
1,2	Python 2.2.7	Free	<a href="https://www.python.org/">https://www.python.org/</a>	PC, RasPi	Windows, Ubuntu
1,2	Python 3.3.5	Free	<a href="https://www.python.org/">https://www.python.org/</a>	PC, RasPi	Windows, Ubuntu
4	Tensorflow 1.9.0		<a href="https://www.tensorflow.org/">https://www.tensorflow.org/</a>	PC	Windows Python 3.3.5
4	Keras		<a href="https://keras.io/">https://keras.io/</a>	PC	Windows, Python
6	Mycroft Picroft version	Free	<a href="https://mycroft.ai/get-mycroft/">https://mycroft.ai/get-mycroft/</a>	RasPi	Ubuntu
6	Google Voice Kit	Free	<a href="https://aiyprojects.withgoogle.com/voice/">https://aiyprojects.withgoogle.com/voice/</a>	RasPi	Ubuntu
9	Eliza-Python	Free	<a href="https://github.com/wadetb/eliza">https://github.com/wadetb/eliza</a>	PC	Windows, Ubuntu

## HARDWARE

Chp No	Hardware	Cost	Link
All	6DOF Robot Arm and 6PCS MG1501 Servos Robo-Soul TK-6A	\$ 167.89	<a href="https://www.aliexpress.com/item/White-Robo-Soul-TK-6A-Car-Creeper-Truck-Crawler-RC-Robot-Base-Kit-w-6DOF-Robot/2038368183.html">https://www.aliexpress.com/item/White-Robo-Soul-TK-6A-Car-Creeper-Truck-Crawler-RC-Robot-Base-Kit-w-6DOF-Robot/2038368183.html</a>
	Raspberry Pi 3	\$ 39.00	<a href="https://www.amazon.com/Raspberry-Pi-RASPBERRYPI3-MODB-1GB-Model-Motherboard/dp/B01CD5VC92/ref=sr_1_4?ie=UTF8&amp;qid=1535597299&amp;sr=8-4&amp;keywords=raspberry+pi+3">https://www.amazon.com/Raspberry-Pi-RASPBERRYPI3-MODB-1GB-Model-Motherboard/dp/B01CD5VC92/ref=sr_1_4?ie=UTF8&amp;qid=1535597299&amp;sr=8-4&amp;keywords=raspberry+pi+3</a>
	Power Supply 5v	\$ 10.47	<a href="https://www.amazon.com/DROK-180051US-Numerical-Regulator-Adjustable/dp/B01CE5P33M/ref=sr_1_14?ie=UTF8&amp;qid=1535597348&amp;sr=8-14&amp;keywords=5v+power+supply+adjustable">https://www.amazon.com/DROK-180051US-Numerical-Regulator-Adjustable/dp/B01CE5P33M/ref=sr_1_14?ie=UTF8&amp;qid=1535597348&amp;sr=8-14&amp;keywords=5v+power+supply+adjustable</a>
	Arduino Mega 256	\$ 11.86	<a href="https://www.amazon.com/ARDUINO-A000067-ATMEGA2560-2560-R3/dp/B0046AMGW0/ref=sr_1_3?ie=UTF8&amp;qid=1535597379&amp;sr=8-3&amp;keywords=arduino+mega+256">https://www.amazon.com/ARDUINO-A000067-ATMEGA2560-2560-R3/dp/B0046AMGW0/ref=sr_1_3?ie=UTF8&amp;qid=1535597379&amp;sr=8-3&amp;keywords=arduino+mega+256</a>
	Adafruit Motor Shield V2	\$ 21.99	<a href="https://www.amazon.com/Adafruit-Motor-Stepper-Shield-Arduino/dp/B00PUTH3B0/ref=sr_1_2?ie=UTF8&amp;qid=1535597404&amp;sr=8-2&amp;keywords=adafruit+motor+shield+v2">https://www.amazon.com/Adafruit-Motor-Stepper-Shield-Arduino/dp/B00PUTH3B0/ref=sr_1_2?ie=UTF8&amp;qid=1535597404&amp;sr=8-2&amp;keywords=adafruit+motor+shield+v2</a>
	MicroMaestro Servo Controller 6	\$ 17.23	<a href="https://www.amazon.com/Micro-Maestro-6-Channel-Controller-Assembled/dp/B004G54CHW/ref=sr_1_fkmr0_1?ie=UTF8&amp;qid=1535597442&amp;sr=8-1-fkmr0&amp;keywords=adafruit+servo+maestro">https://www.amazon.com/Micro-Maestro-6-Channel-Controller-Assembled/dp/B004G54CHW/ref=sr_1_fkmr0_1?ie=UTF8&amp;qid=1535597442&amp;sr=8-1-fkmr0&amp;keywords=adafruit+servo+maestro</a>
	Google AIY Voice Kit	\$ 9.95	<a href="https://www.amazon.com/Google-GOOGLEAIY-V1-AIY-Voice/dp/B075SFLWKX/ref=sr_1_1?ie=UTF8&amp;qid=1535597604&amp;sr=8-1&amp;keywords=google+aiy+voice+kit">https://www.amazon.com/Google-GOOGLEAIY-V1-AIY-Voice/dp/B075SFLWKX/ref=sr_1_1?ie=UTF8&amp;qid=1535597604&amp;sr=8-1&amp;keywords=google+aiy+voice+kit</a>
	Battery 2700mah 3S	\$ 12.64	<a href="https://www.amazon.com/Turnigy-nano-tech-2700mah-65-130C-XT-60/dp/B07BRRYD7T/ref=sr_1_16?ie=UTF8&amp;qid=1535597643&amp;sr=8-16&amp;keywords=battery+2700+mah+3s">https://www.amazon.com/Turnigy-nano-tech-2700mah-65-130C-XT-60/dp/B07BRRYD7T/ref=sr_1_16?ie=UTF8&amp;qid=1535597643&amp;sr=8-16&amp;keywords=battery+2700+mah+3s</a>
	Cables / Wires	\$ 10.99	<a href="https://www.amazon.com/AmazonBasics-Male-Micro-Cable-Black/dp/B0711PVX6Z/ref=sr_1_2_acs_sk_pb_1_sl_1?ie=UTF8&amp;qid=1535597748&amp;sr=8-2-acsk&amp;keywords=usb+micro+cable">https://www.amazon.com/AmazonBasics-Male-Micro-Cable-Black/dp/B0711PVX6Z/ref=sr_1_2_acs_sk_pb_1_sl_1?ie=UTF8&amp;qid=1535597748&amp;sr=8-2-acsk&amp;keywords=usb+micro+cable</a>