

CS437 - IoT
Lab 0
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Purchased Item (see attached receipt)	Owned Items (see pictures below)
Picar X (includes chassis, camera, battery)	18650 Batteries w/ charger
Raspberry Pi 5 4gb	USB C Power Cable
Micro SD 64gb	

The receipt is attached as the pdf in the zip file. Batteries and camera were included in the picarx kit but I also have spare batteries I plan on using instead since they have a higher capacity. I originally planned on working with the robot dog and tailoring my final project to that kit and antagonizing my cats in the process. Unfortunately I found out too late the dog kit struggles to traverse medium shaggy carpet. My apartment is almost entirely carpet so the idea of training a model to recognize my cats and follow them around went out the window. Which is a shame because they were actually really interested in destroying it. It wasn't worth the hassle to try and modify the C code that handles the servo IO and potentially ruin them so I opted to just do car. By that time the 4wd kit was out of stock so I had to settle on the picarx which included most of the required parts other than the pi itself and sd card.

