**Questions:**

* Battery pack ideas
* Talk over hardware choices
* Gain insight into a model being trained
* Why Raspberry pi (mentor believes will be too slow, wants to know client reasoning)

Good place to start, fast enough, low power consumption, easy to use, runs on linux, small, write it all in python

Train the model on the clients hardware / on the cloud

YOLOv4, good place to start, training text file, very transferable to nano if wanting to move to that.

Client used CVAT in the cloud. 51 data management tool - good for converting to different types of datasets

Coco dataset

**Hardware:**

| Raspberry pi 4 | * <https://core-electronics.com.au/raspberry-pi-4-model-b-4gb.html> |
| --- | --- |
| Raspberry pi camera  (high quality camera vs module 2?) | * <https://www.pbtech.co.nz/product/SEVRBP0339/Raspberry-Pi-Official-Camera-Board-V2--V21-8-Megap?qr=GShopping&gclid=CjwKCAjw7IeUBhBbEiwADhiEMY6CbeFq9BMqpE3meN2doqcugQQEHkp29BCRULGwh7Y9fIvA-kpQhhoCXH0QAvD_BwE> |
| Fan | * <https://www.digikey.co.nz/en/products/detail/dfrobot/FIT0816/14824958?utm_adgroup=Thermal%20-%20Heat%20Sinks&utm_source=google&utm_medium=cpc&utm_campaign=Shopping_Product_Fans%2C%20Thermal%20Management&utm_term=&productid=14824958&gclid=CjwKCAjw9-KTBhBcEiwAr19ig-NPhdu5OqaBEuvy6gbx6aeDlJtHoGCVNIaHBFhf-Orq4uzq1e0NvRoCRo0QAvD_BwE> |
| Raspberry pi whole set | * <https://core-electronics.com.au/raspberry-pi-4-starter-kit-4gb-49423.html> |
| Battery pack | Portable phone charge, voltage 5V requirements |

**Notes from Meeting:**