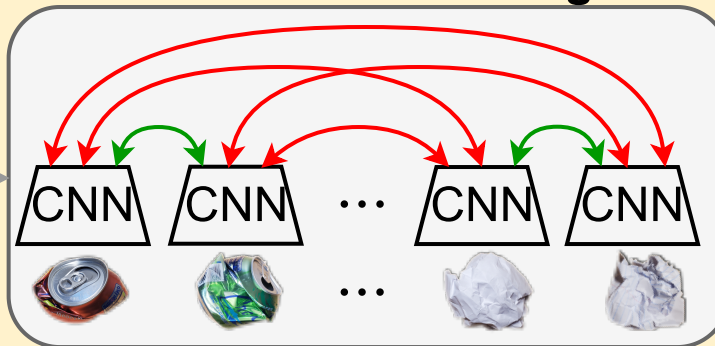


## Model Development Process

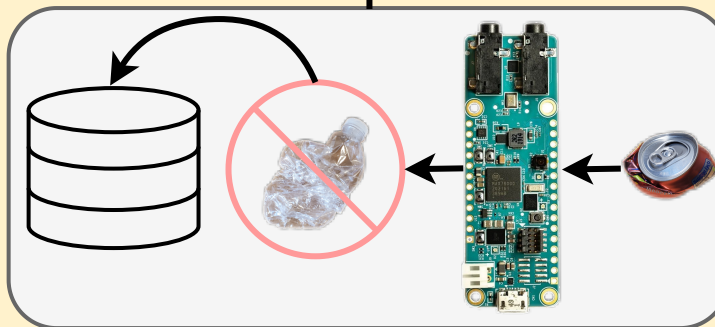
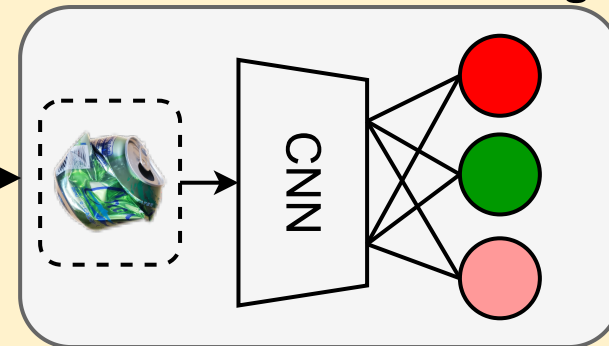
### Initial Dataset Collection (500 images per class)



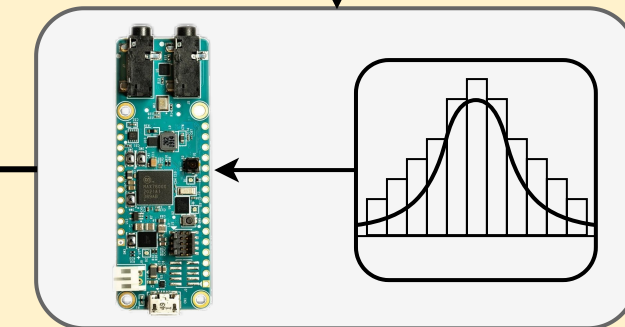
### Contrastive Pretraining



### Classification Fine-tuning



### Evaluation & Hard Negative Mining



### Quantization and Synthesis