

Trasher

Not trash, but raw material

Smart Sorting Mechanism

Problem

Low level of sorting and recycling of trash in Uzbekistan

Emission of hazardous gases in place of junk yards

Low awareness among public

Goal

Quality sorting of trash

Lower amount of junk yards

Raise awareness among people in Uzbekistan

- 1
- 2
- 3

Solution



1. Camera gets image of the trash



2. Model analyzes its type according to trash image dataset



3. Smart mechanism opens specific trash bin according to its type

Trasher Smart mechanism



Trash types we recognize



Challenges we faced



**Lack of reliable data
applicable to our
location and diversity
of trash**



**Connecting hardware
to the AI Model**

Stage 1

- Collect high quality dataset
- Analyze the state of landfills and draw up a list of potential customers

Stage 2

- Search for allies
- Building the first version
- Testing

Stage 3

- Run in test mode on small objects
- Improve the model along the way



Stage 4

- Preparation for production
- Conclusion of the first contracts



Demo