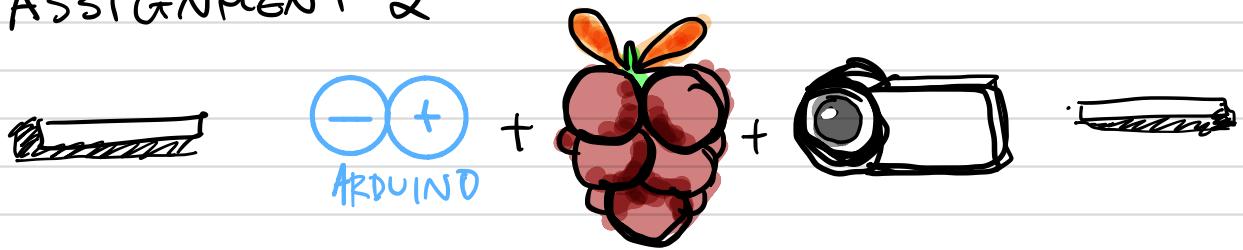


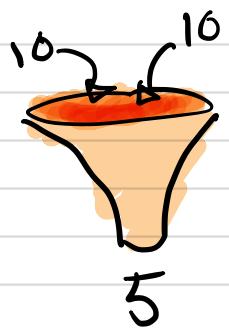
ASSIGNMENT 2



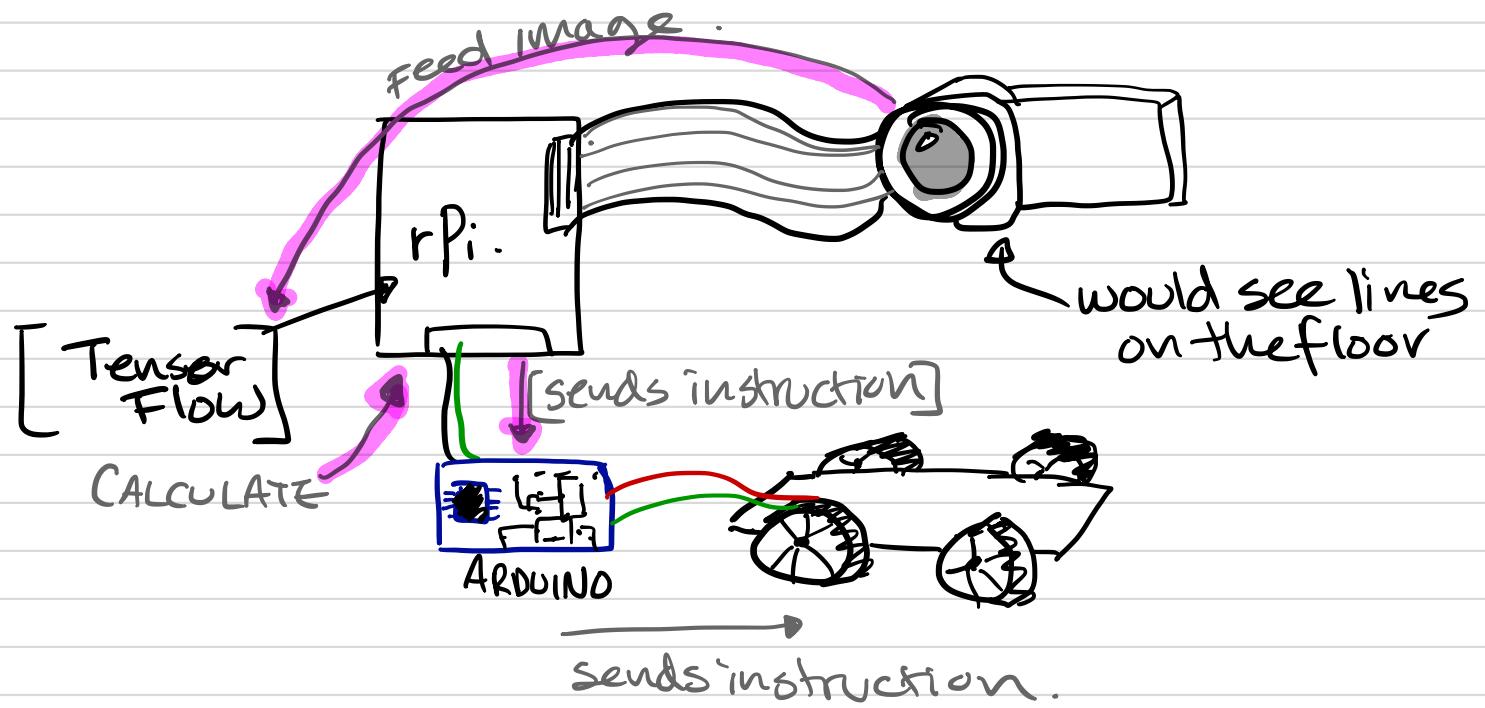
1. Self guided Motorized Car. [Tensorflow]
2. Color sensor for color blind
3. Security camera For doorbell
4. Object Recognition (card) →
(trigger shutter w/ arduino)
5. Retina scanner
6. Food dispenser for animals [only when it detected an animal]
7. Drone
8. Motion detector alarm
9. Item inventory for refrigerator
10. Mood reader
11. Get funniest faces entering public bathroom and create memes and posts on social media



1. Low powered drones for security cameras
2. Tension sensor for a guitar. Once a string breaks, it orders that specific string
3. Smart refrigerator that recommends what to cook by knowing what's in the fridge.
4. IoT on all my organs: Early detection of irregularity, cancer, humor
5. IoT to check health of your car: oil change, engine malnutrition.
6. Tuner w/ backing tracks uploaded from online condition
7. Spotify recommender and play songs. display flashes w/ beat
8. traffic signal: notifies if broken.
9. Sea explorer that relays how deep the ocean is by having access points in different depths and sends images
10. Measures stress level and plays music to relieve the stress (Infrared)



1. Self Guided Car

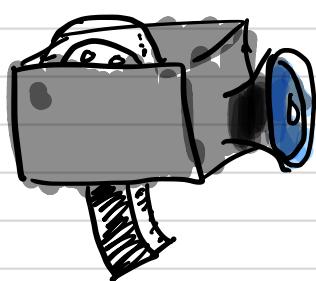


Tech Stack

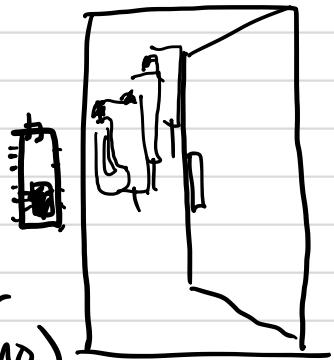
Tensorflow
Python.

20

[Bathroom user] Meme Generator

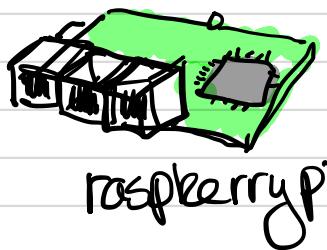


when door
opens.



Door
sensor
(Arduino)

takes picture

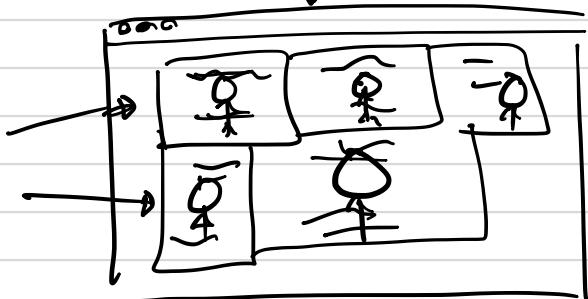


Raspberry Pi

Face
recognition
+
random
Meme
generator

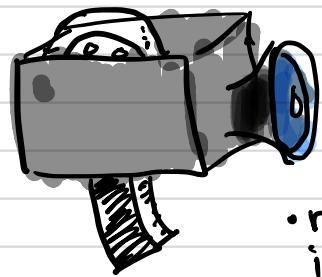
Node.js (npms)

images
w/meme





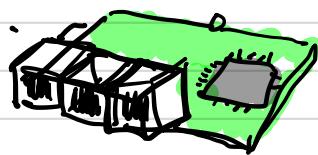
Animal feeder.



- recognize it's empty



Empty!

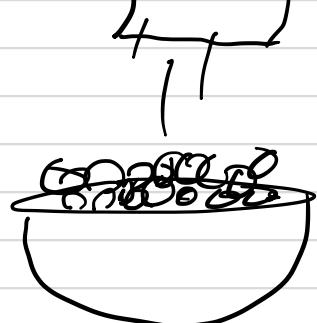


Raspberry Pi

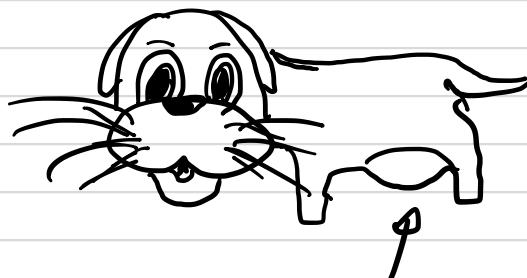
processes what kind of food the animal needs



- Dispenses appropriate food.



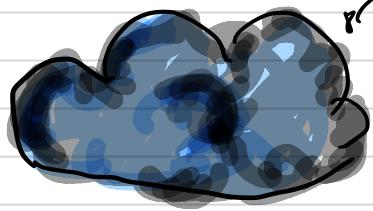
FULL!



Stomach filled!

Tech Stack:

- TensorFlow
- Animal detection
- Python



Dark web...? JK JK.

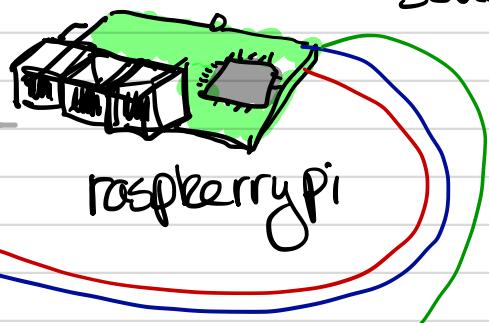
if "concert" found

searches
for concerts
"near me"
for the songs



Spotify API

get
• recommended
songs



display
their
info

John Mayer
-- gravity --

LCD

1010
1111

ASCII dances
w/ beat



ARDUINO

• Play button
/ stop

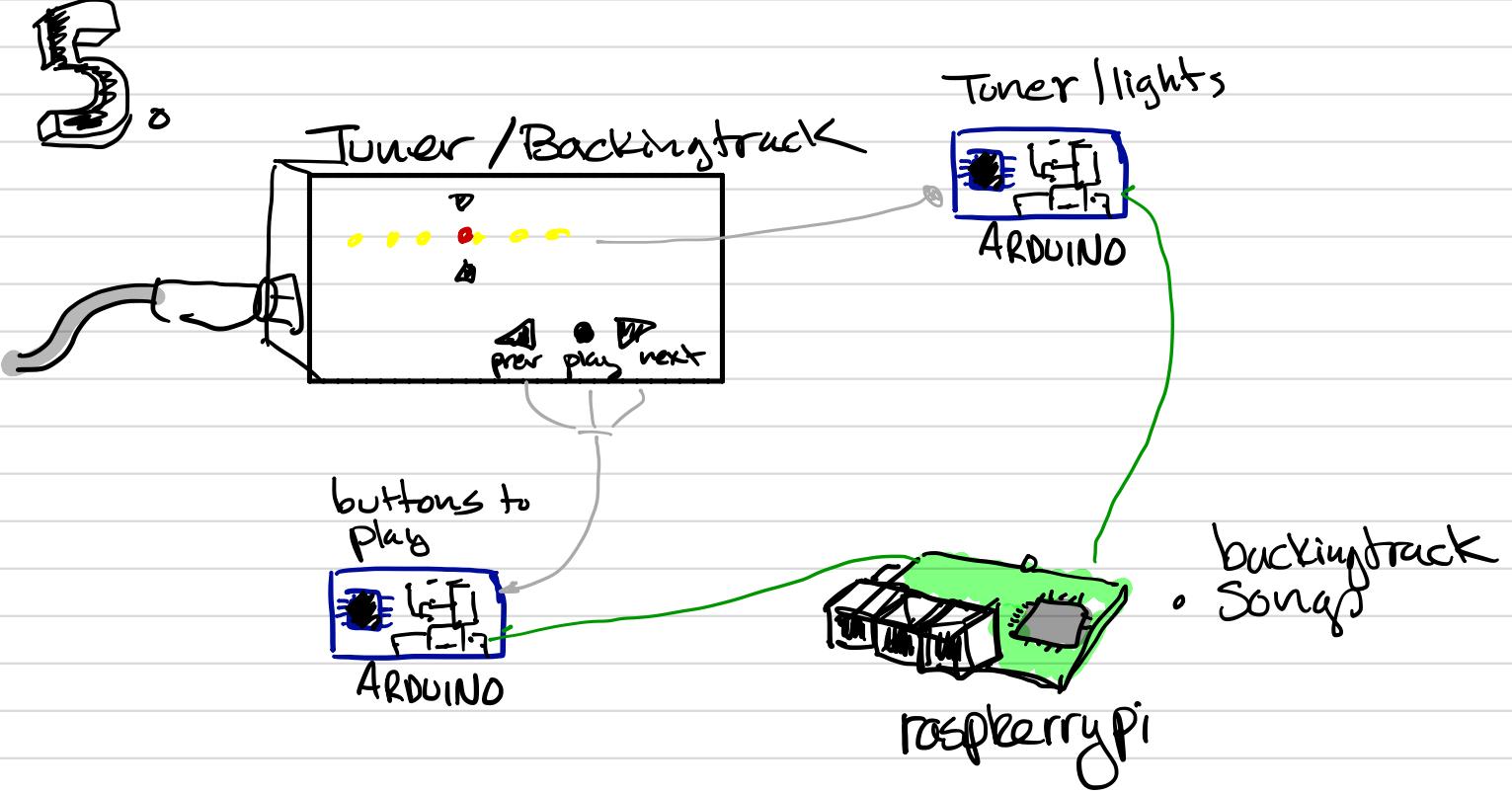
CLICK

Tech Stack: Node.js.

- Express
- Spotify API
- google API
- audio.js

• frequency analyzer - (dancing)

5



Tech - python