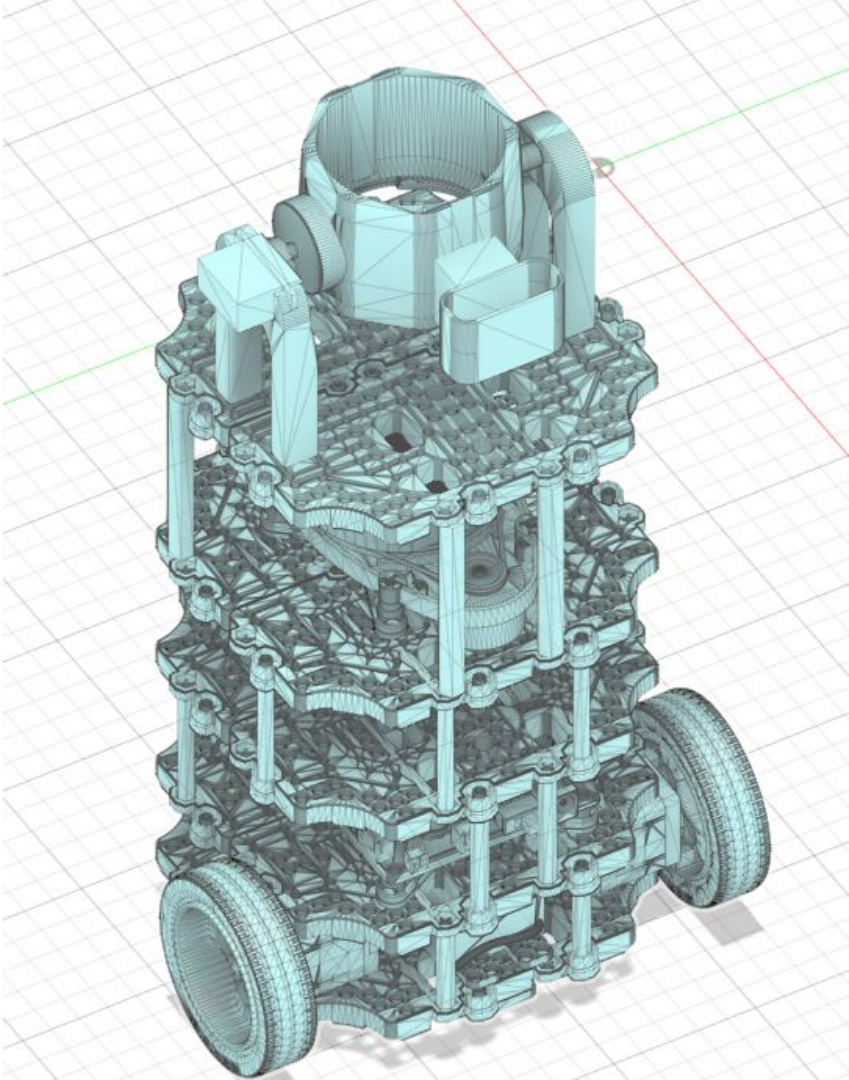
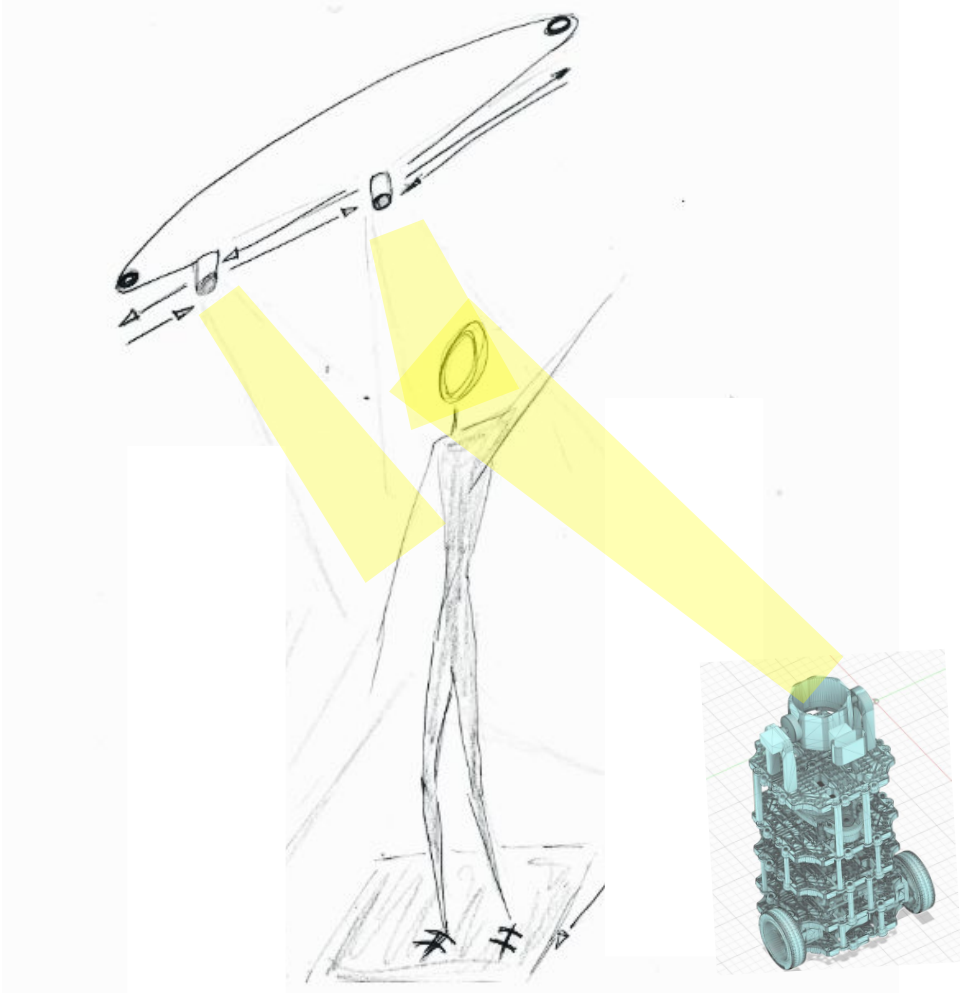
Face-following illumination

Ángel Oroz
Beñat Solaegui



Main Idea

- Illuminate from below.
- The face is the highest source of expression.
- Illuminate from different perspectives.



Needed new Components

1

Camera

To detect where the face of the actress is.

2

Servomotor

To be able to orient the light depending on the actress's face position, requiring an additional Arduino.

3

Light source

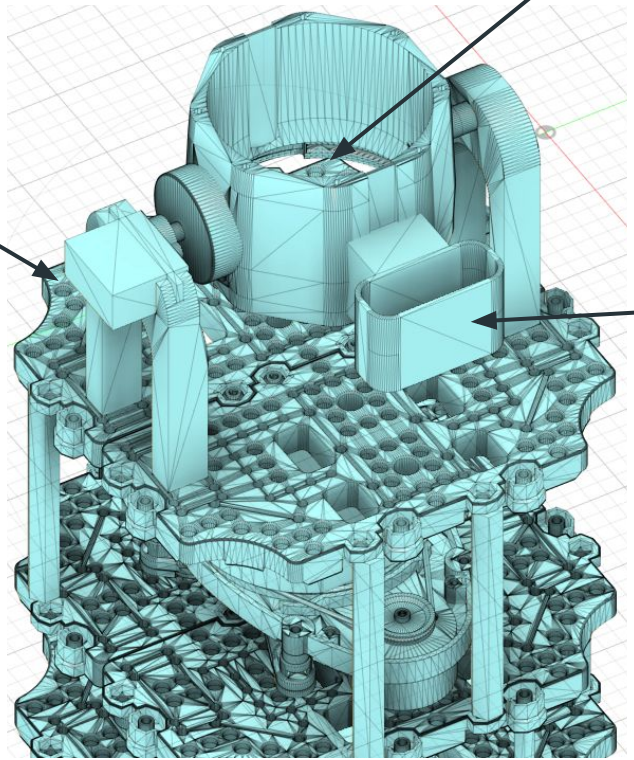
To illuminate the face of the actress, controlled by the integrated Arduino.

4

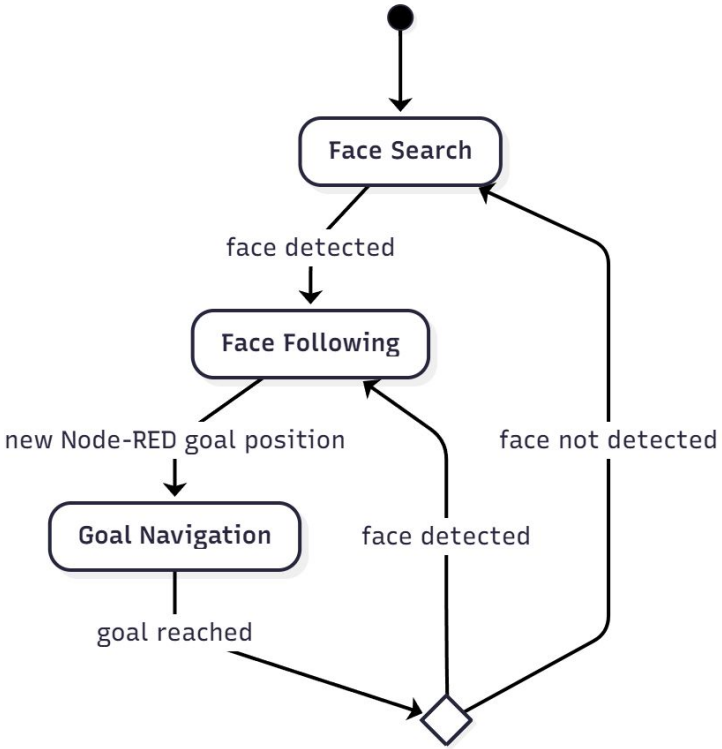
External Battery

Powering both the light source and the servomotor.

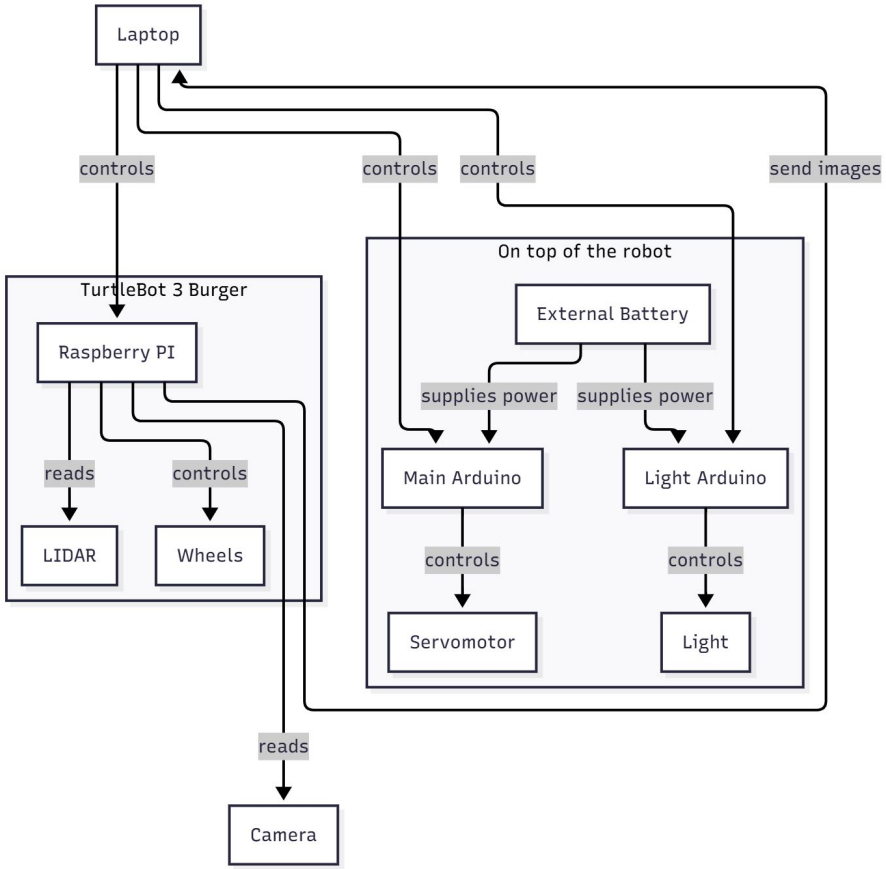
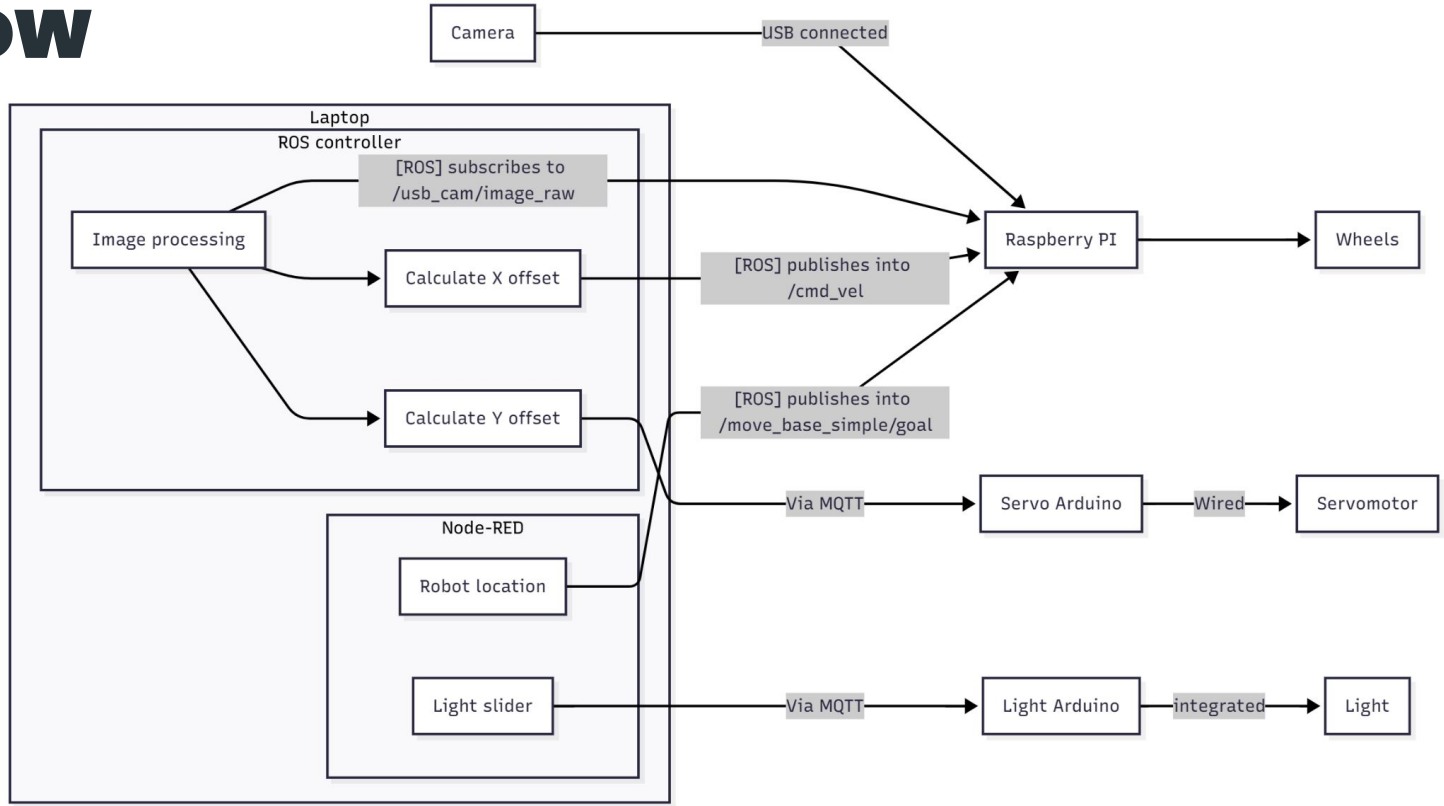
Robot Design



Robot States



Hardware Structure



Main State Flow