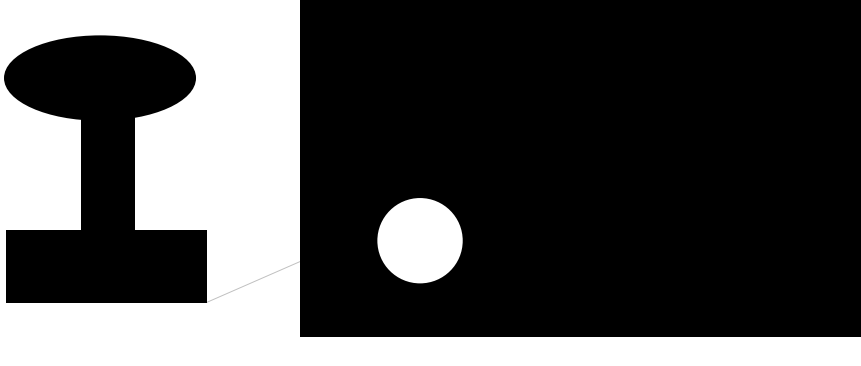
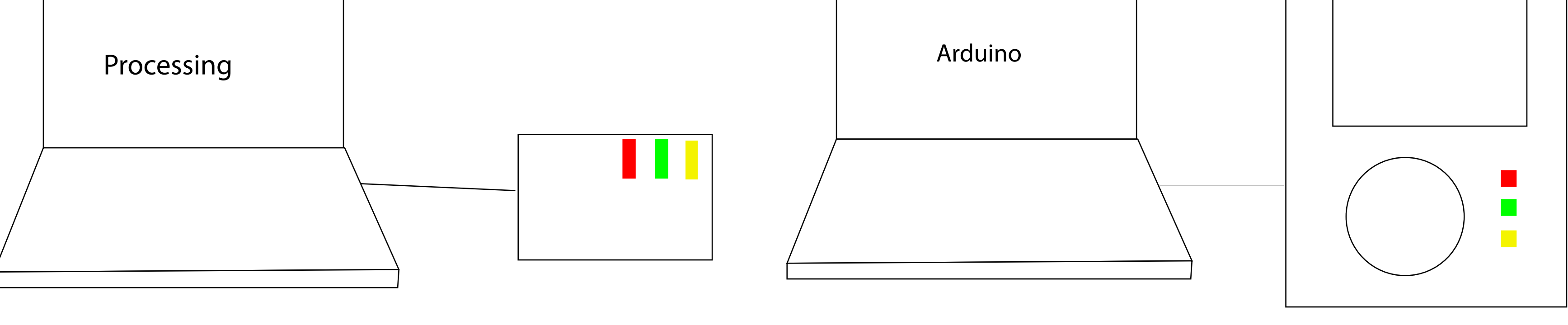


Project 1

Idea 1: Pac-Man

Game

List:
LEDs,
Joystick,
LCD screen,
Arduino/processing



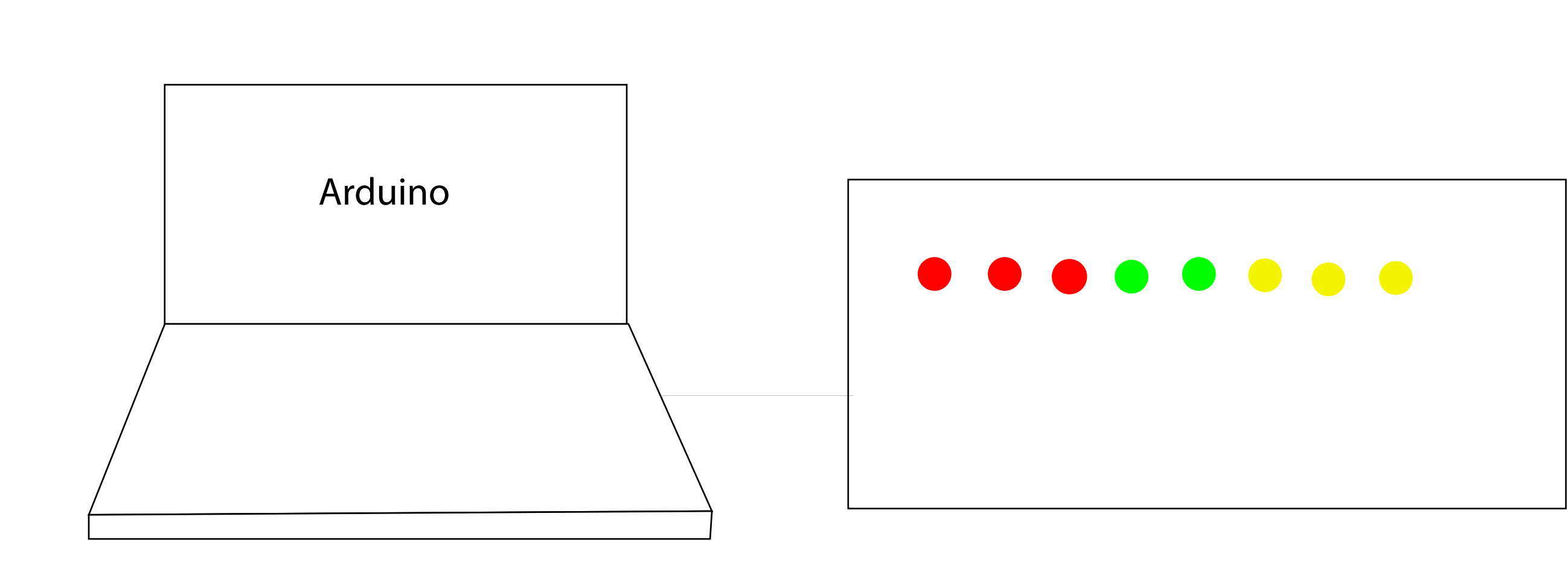
This is game box, and player could play the classic game-pac-man

Who is doing what?
Hardware: Ying Gao
Softwar: Guoxun Wu, Linyi Song

Material of enclosure: wood

Project 1 Idea 2: Sound Sensor detector

List:
Arduino UNO, breadboard
Sound Sensor,
LEDs, LCD,
Processing/Arduino



Variables in the lowest range will activate the yellow leds, those in the median range will activate the green leds, and those in the high range will activate the red leds. When the sound sensor reaches or detects a certain sensor value, the led will be activated or turned on.

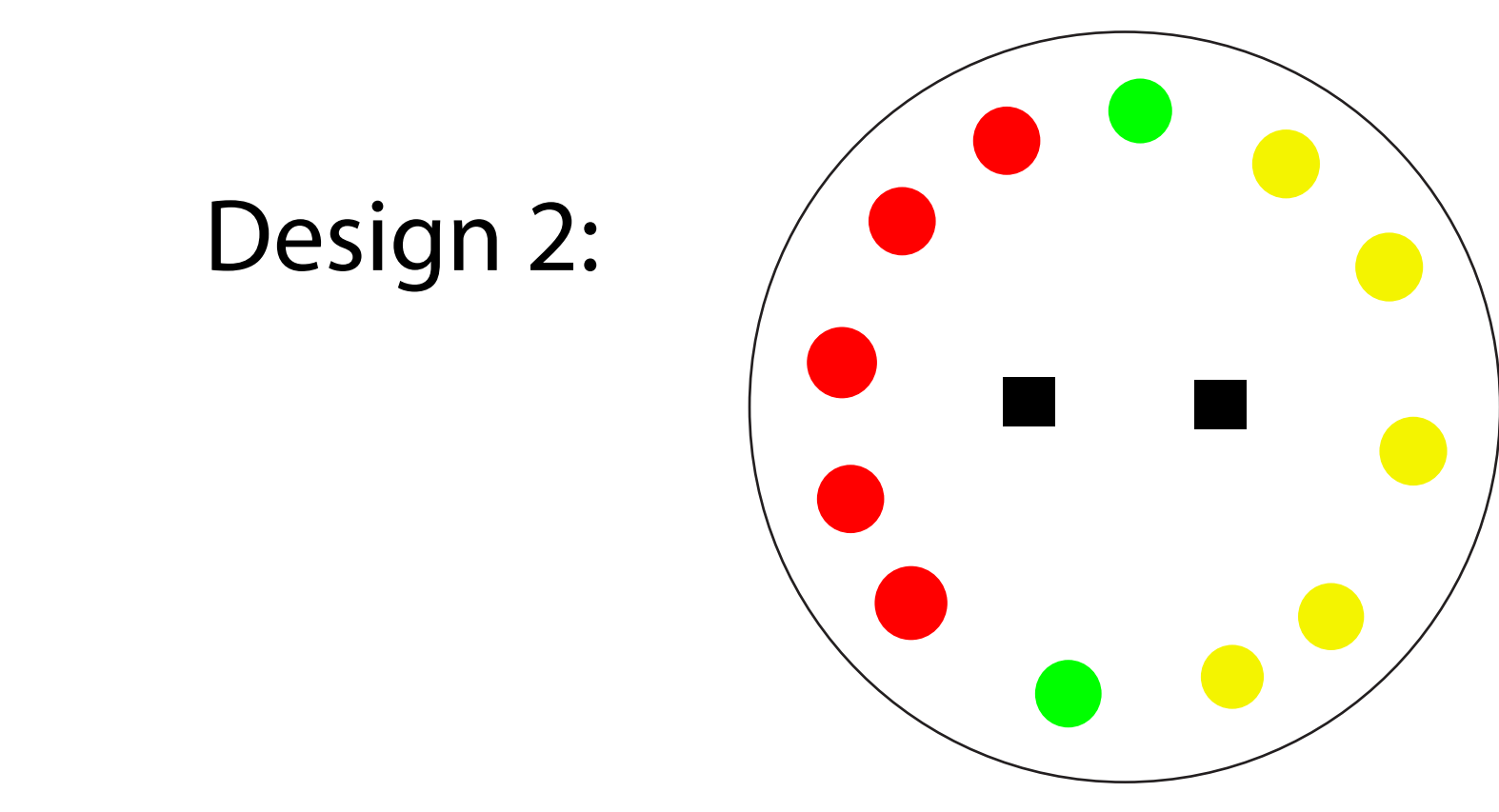
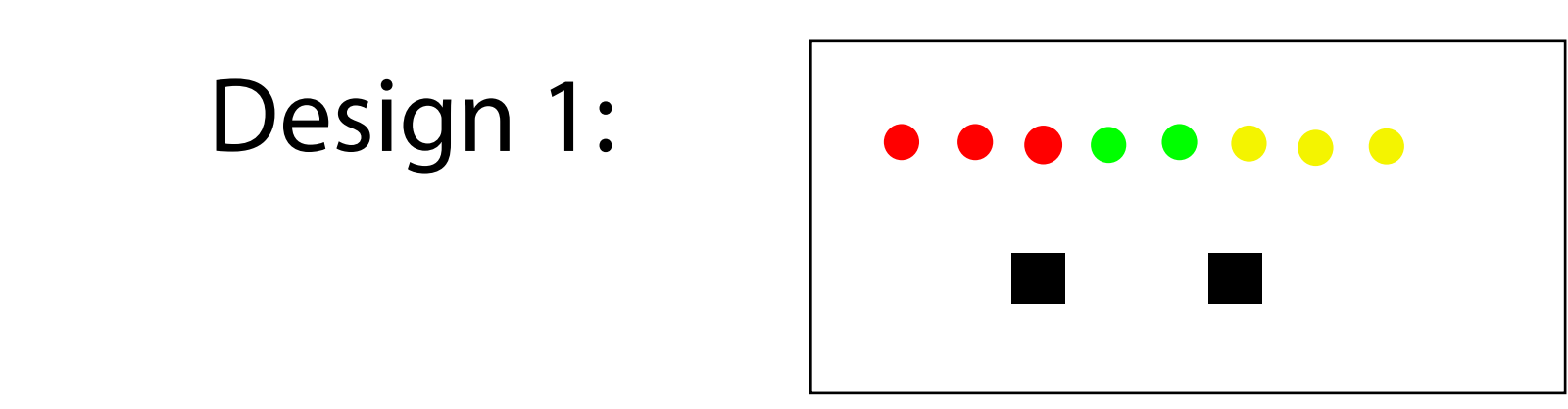
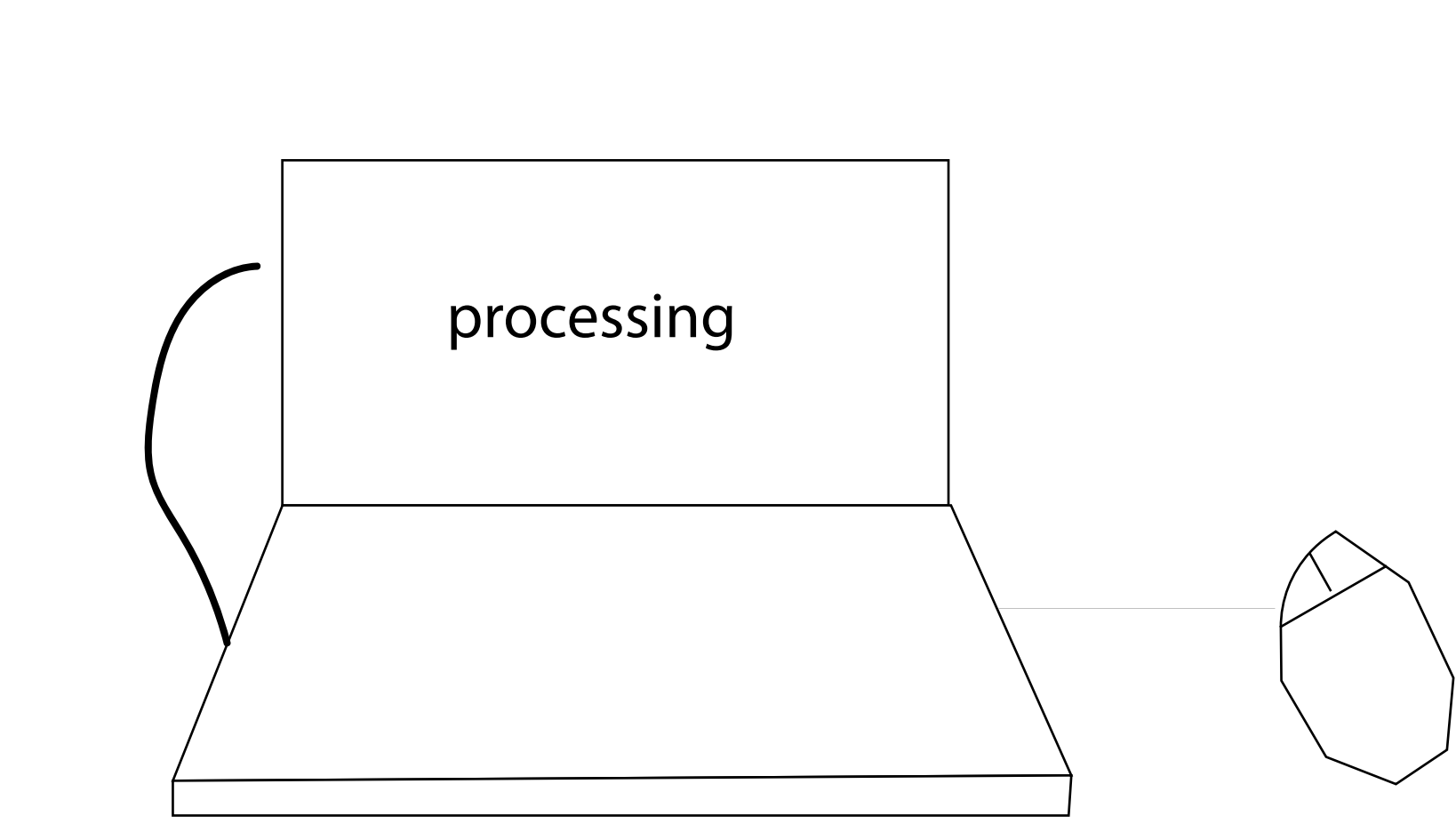
Who is doing what?
Hardware: Guoxun Wu
Softwar: Ying Gao, Linyi Song

Material of enclosure: wood

Project 2

Idea 1: The hand of the devil

List:
LEDs,
Metro Mini,
Pushbuttons,
Processing/mouse



Ways of playing game

1: Push the pushbutton and then the machine will stop automatically. If the player standing front of the led, he/she will get punishment.

2: Push the pushbutton and then the machine will stop automatically. If the player standing front of the led, he/she will drink wine.

3: When the machine connect with computeure, the player pushes button and then the machine will stop automatically. The punishment will show on the screen, the player have to do the chanllenge.

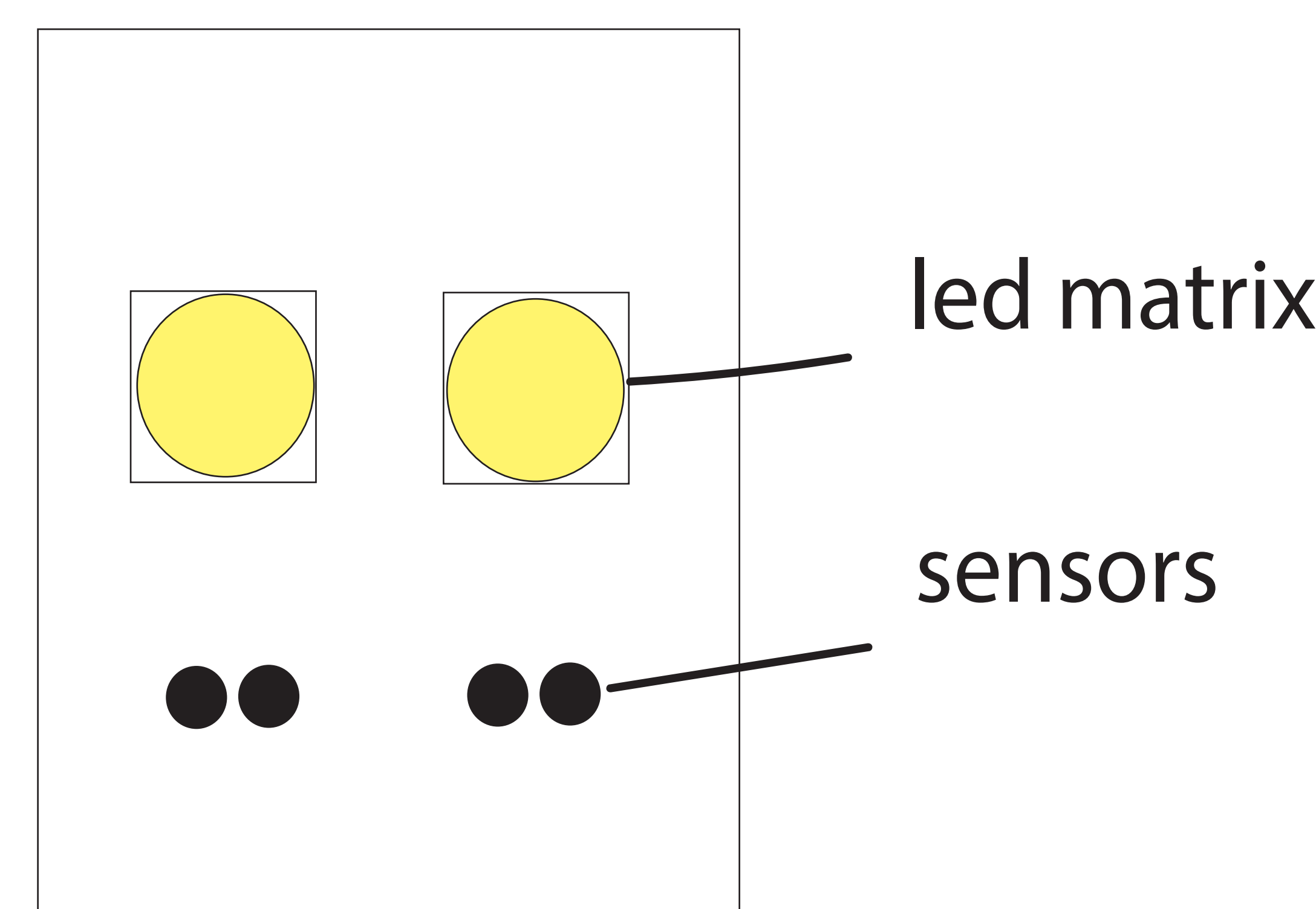
Who is doing what?
Hardware: Linyi Song
Softwar: Ying Gao, Guoxun Wu

Material of enclosure: wood

Project 2

Idea 2: ULTRA VIVID EYES

LIST:
Ultrasonic Sensor
Arduino Nano
Breadboard
Photo Resistor
8x8 LED Matrix



The object is a robot face, under the eyes there are 4 sensors. Eyes will change when the sensor detects the movement.

Who is doing what?
Hardware: Guoxun Wu
Softwar: Ying Gao, Linyi Song