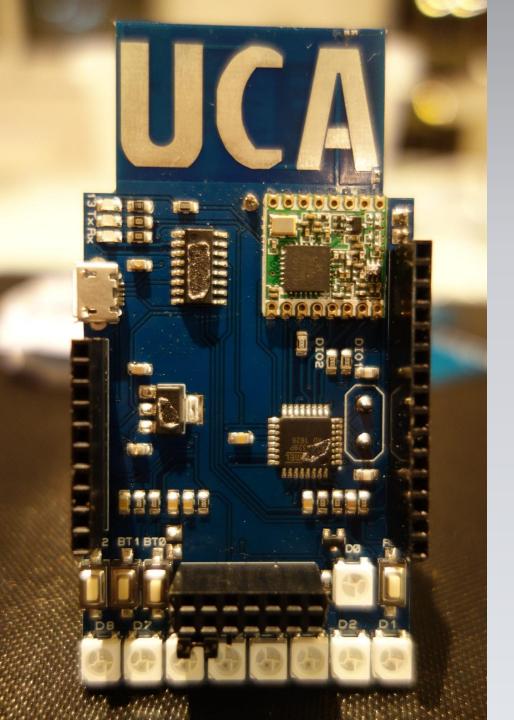


#### Sommaire

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- Problématique
- > Listes des composants
- > Réseau et communication
- ➤ Code et Explications
- Design



## Présentation du projet

#### Problématique

Récupérer les données depuis

Détecteur de mouvement non précis (faux positif)

Traiter les données

# Listes des composants



Capteur de mouvement



Capteur de luminosité



Capteur de température & humidité

## Réseau et communications







```
#Irror_mod.use_z = False
 operation == "MIRROR_Y"
lrror_mod.use_x = False
lrror_mod.use_y = True
 lrror_mod.use_z = False
  operation == "MIRROR_Z"
  rror_mod.use_x = False
  rror_mod.use_y = False
  rror mod.use z = True
 melection at the end -add
  ob.select= 1
  er ob.select=1
   ntext.scene.objects.action
  "Selected" + str(modified
  irror ob.select = 0
 bpy.context.selected_obj
  ata.objects[one.name].sel
  int("please select exaction
  -- OPERATOR CLASSES ----
         operator):
```

## Code et Explications

```
float readLight() {
    float result;
    float sensorValue = analogRead(A3);
   float voltage = sensorValue * (3.30 / 1023.0);
    result = voltage * 2000;
    return result;
/*void movementReader() {
   if (digitalRead(2) == LOW) {
       Serial.println("Mouvement non détecté");
       pir = false;
        return pir;
   else if (digitalRead(2) == HIGH) {
       Serial.println("Mouvement détecté");
       pir = true;
       return pir;
void updateEnvParameters()
    int temperature = sensor.getCelsiusHundredths();
    temp = temperature / 100;
   humidity = sensor.getHumidityPercent();
    light = readLight();
   Serial.print(temp); Serial.println("°C");
   Serial.print(humidity); Serial.println("%");
   Serial.print(light); Serial.println("lux");
```

### Code Arduino

Overview Devices Payload Formats Integrations Data Setti

#### INTEGRATION OVERVIEW

Process ID home\_connect

**Status** • Running

Author The Things Industries B.V.

**Description** Sends uplink data to an endpoint and receives downlink data over HTTP.

## TTN vers Web

```
_____mod_mirror_object =
           speration == "MIRROR_X":
           mirror_mod.use_x = True
           mirror_mod.use_y = False
           lrror_mod.use_z = False
             operation = "MIRROR_Y"
            lrror_mod.use_x = False
            Lrror_mod.use_y = True
            "Irror_mod.use_z = False
              operation == "MIRROR Z"
             Irror mod.use x = False
             lrror mod.use y = False
              pror mod.use z = True
               ob.select= 1
Récupération en PHP
```

Int("please select

ypes.Operator):

X mirror to the selected ject.mirror\_mirror\_x"

```
peration == "MIRROR_X":
mirror_mod.use_x = True
mirror_mod.use_y = False
"Irror_mod.use_z = False
 operation = "MIRROR_Y"
lrror_mod.use_x = False
Lrror_mod.use_y = True
"Irror_mod.use_z = False
  Operation == "MIRROR Z";
  rror mod.use x = False
  rror mod.use y = False
  rror mod.use z = True
   ob.select= 1
  er ob.select=1
        Pvers Discord
```

Int("please select exact

OPERATOR CLASSES ---

xypes.Operator):
 X mirror to the select
 ject.mirror\_mirror\_x"

