Dynamics

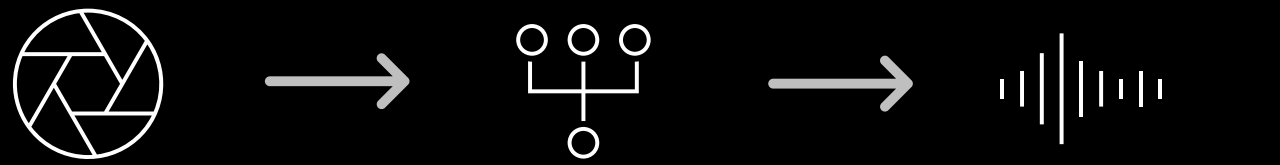
exploring stillness as a mode of interaction

Assignment 1
EAST 361: Current Practice
Austin Tecks

Concept and Intent

a synthesized ecosystem that becomes more active and interesting the longer participants can remain motionless

rewarding stillness and cooperation

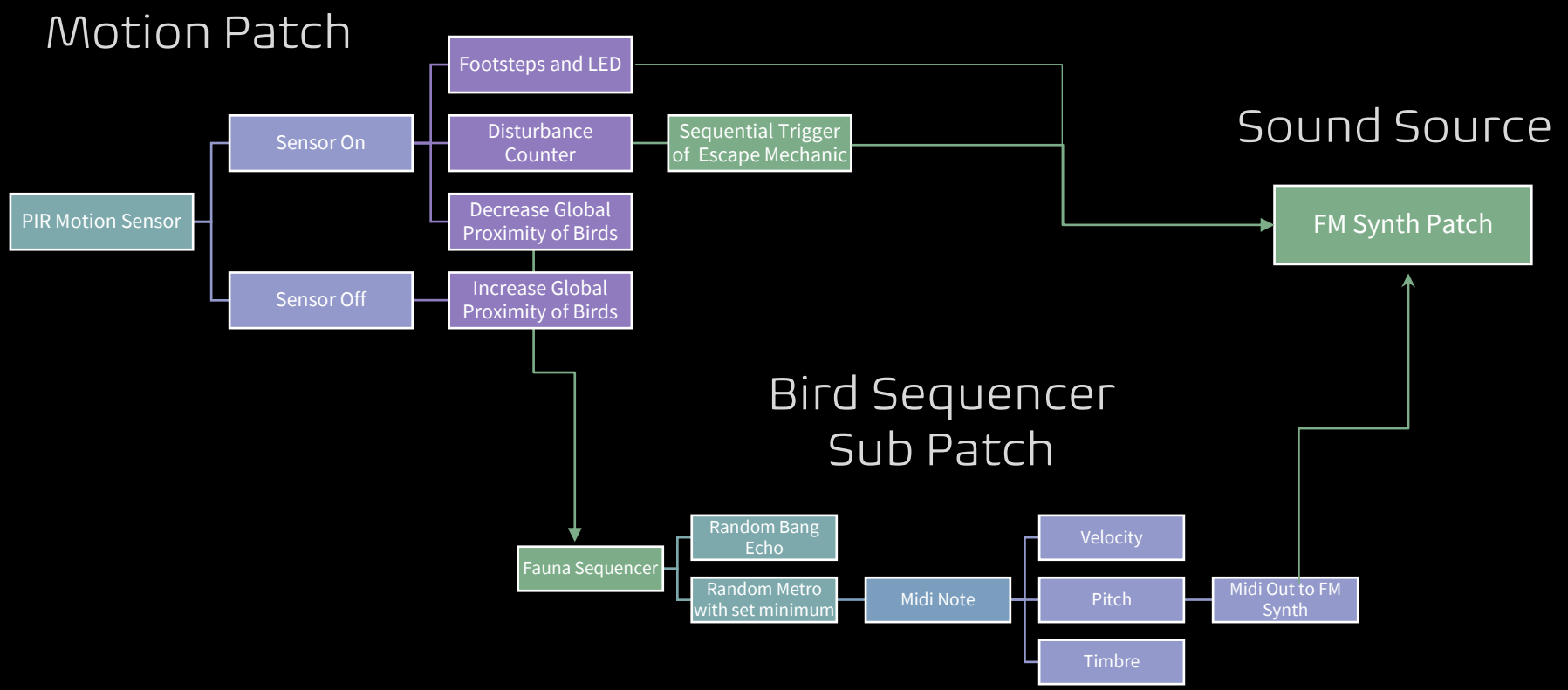


PIR sensor (arduino)

stochastic sequencer (max/msp)

sound source (fm synthesis)

Mechanics



Mechanics

code

Arduino Mega or Mega 2560

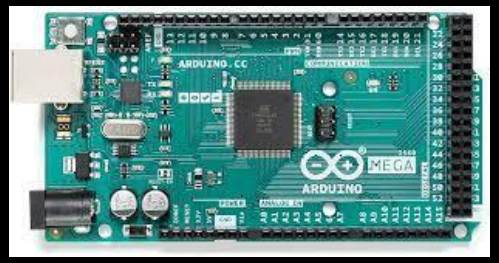
Arduino Max pir on off 2.1.ino

```
int LED_STATE = 4;
int PIR_IN = 2;
int mFlag = 0;

void setup() {
// put your setup code here, to run once:
pinMode(PIR_IN,INPUT);
pinMode(LED_STATE,OUTPUT);
digitalWrite(LED_STATE, LOW);
Serial.begin(9600);
}

void loop() {
// put your main code here, to run repeatedly:
while (digitalRead(PIR_IN)== LOW && mFlag == 0) {
  Serial.println("0");
  digitalWrite(LED_STATE,LOW);
  mFlag = 1;
}

if (digitalRead(PIR_IN)== HIGH && mFlag == 1) {
  Serial.println("1");
  digitalWrite(LED_STATE,HIGH);
  }
else {
  mFlag = 0;
}
}
```

Output

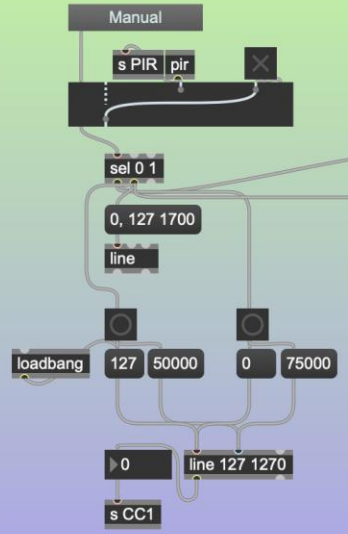
PIR sensor

arduino

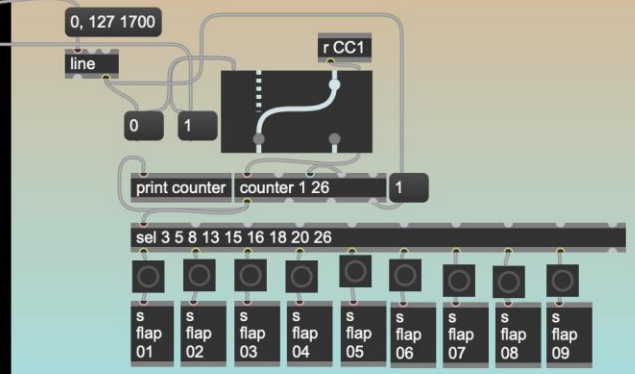


Mechanics

sensor module

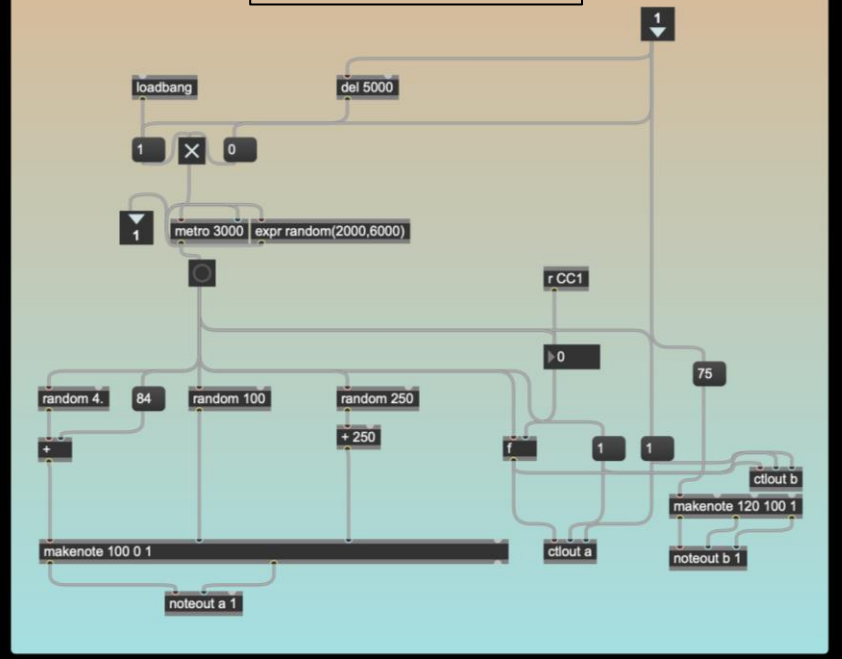


disturbance module



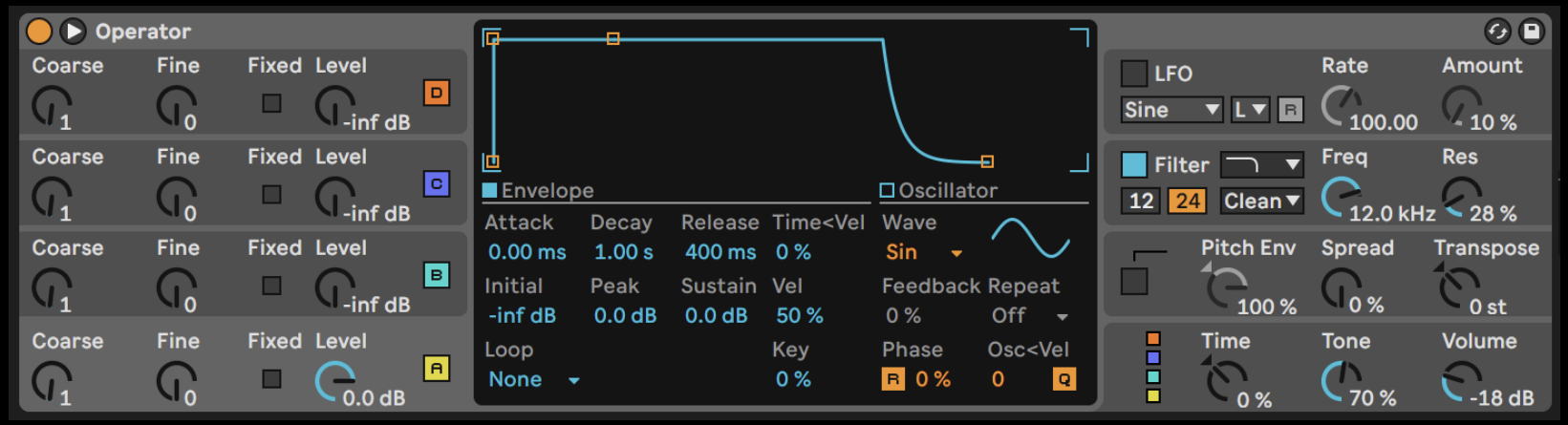
voice monitor

bird sequencer sub-patch

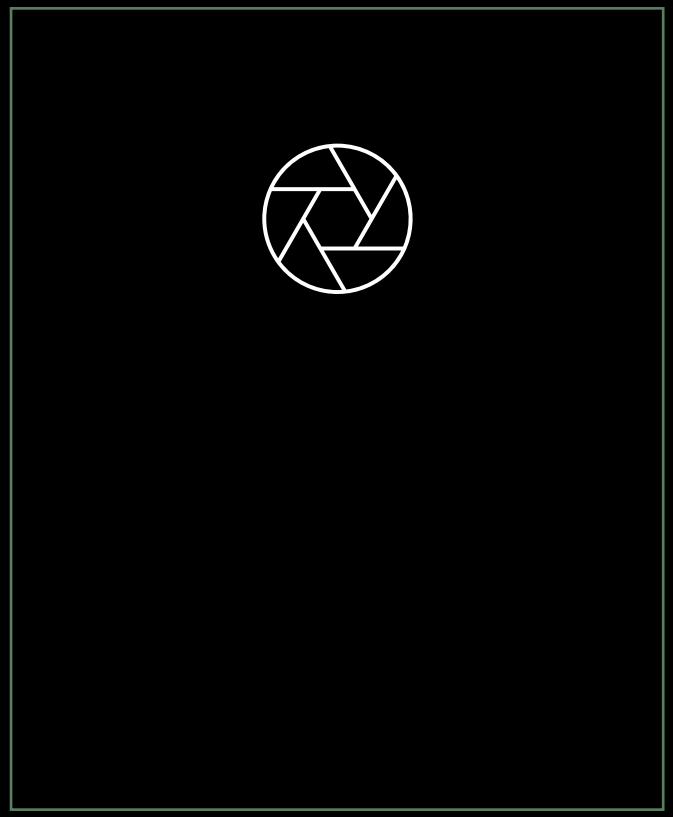


Sound Design

Ableton Live:
Operator

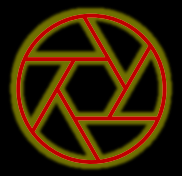


Simulated Performance



Simulated Performance

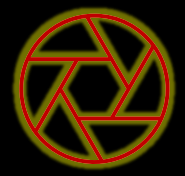
Simulated Performance



footsteps

Simulated Performance

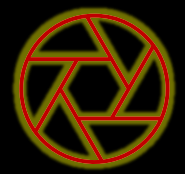
flapping



footsteps

Simulated Performance

flapping



footsteps

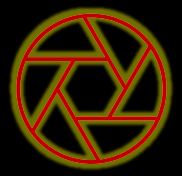
flapping

Simulated Performance

reduced density of soundscape

Simulated Performance

Simulated Performance



footsteps

Simulated Performance

momentary
disturbance
disturbs closest
birds

Simulated Performance

birds continue to emerge

Thank you for listening

Considerations

Positionality

How have I been affected by climate change?

directly

and indirectly

and how does my positionality impact my experience, now and in the future