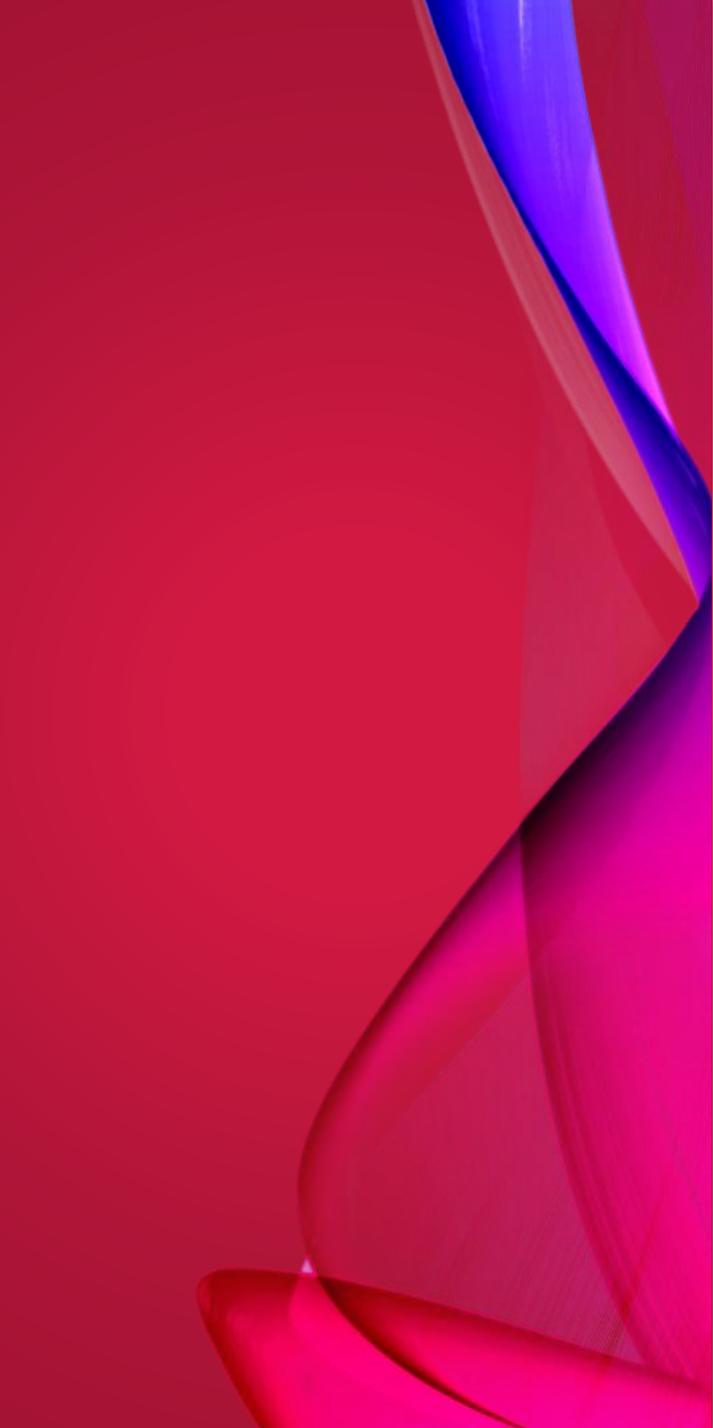


PROJECT 2 INTANGIBLE INTERACTIVITY

Development
sketchbook

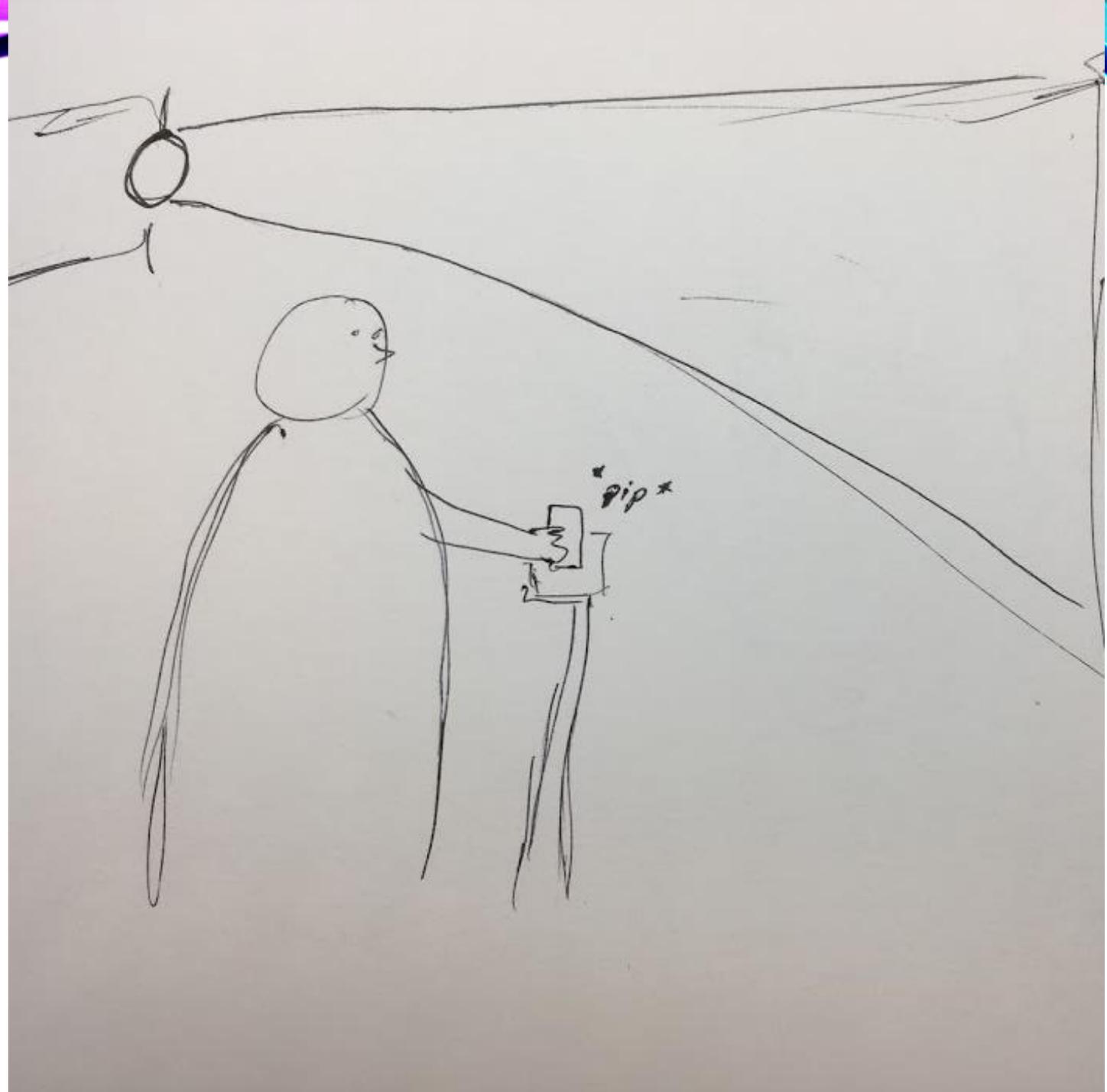
Margit Scheffte
40411756



This development sketchbook shows the different ideas and iterations that led to the final product. It also presents aims for the future for this product

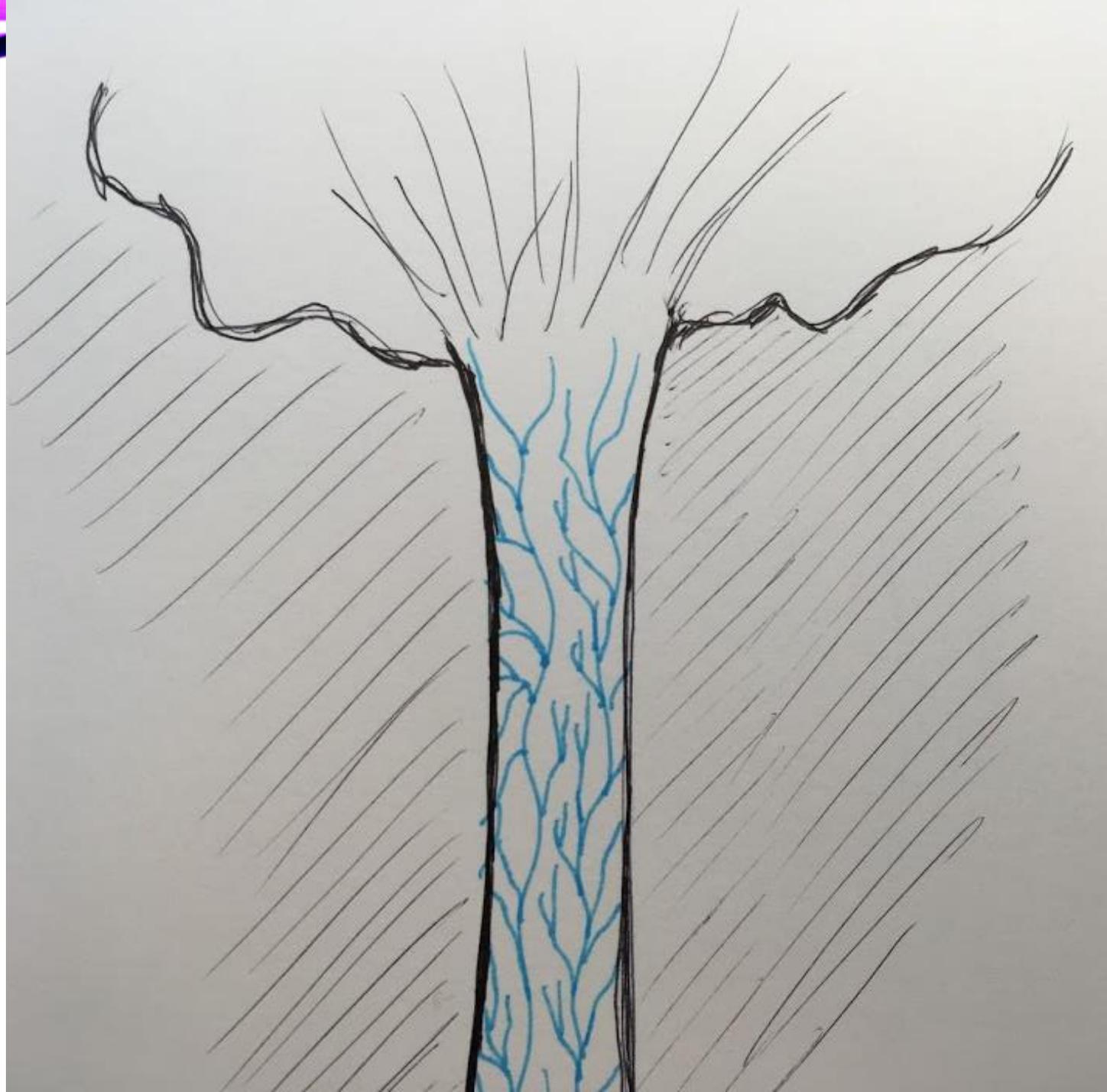
IDEA 1

This idea was about making the user scan their student card on an RFI reader and then show some of the information from the card in an interesting way. Maybe by different colors. If a student had for example 30 rented books through the whole time at the University, the projector could have showed that in a way. This idea was hard to go further on with because of the ability to get access to their data from the uni.



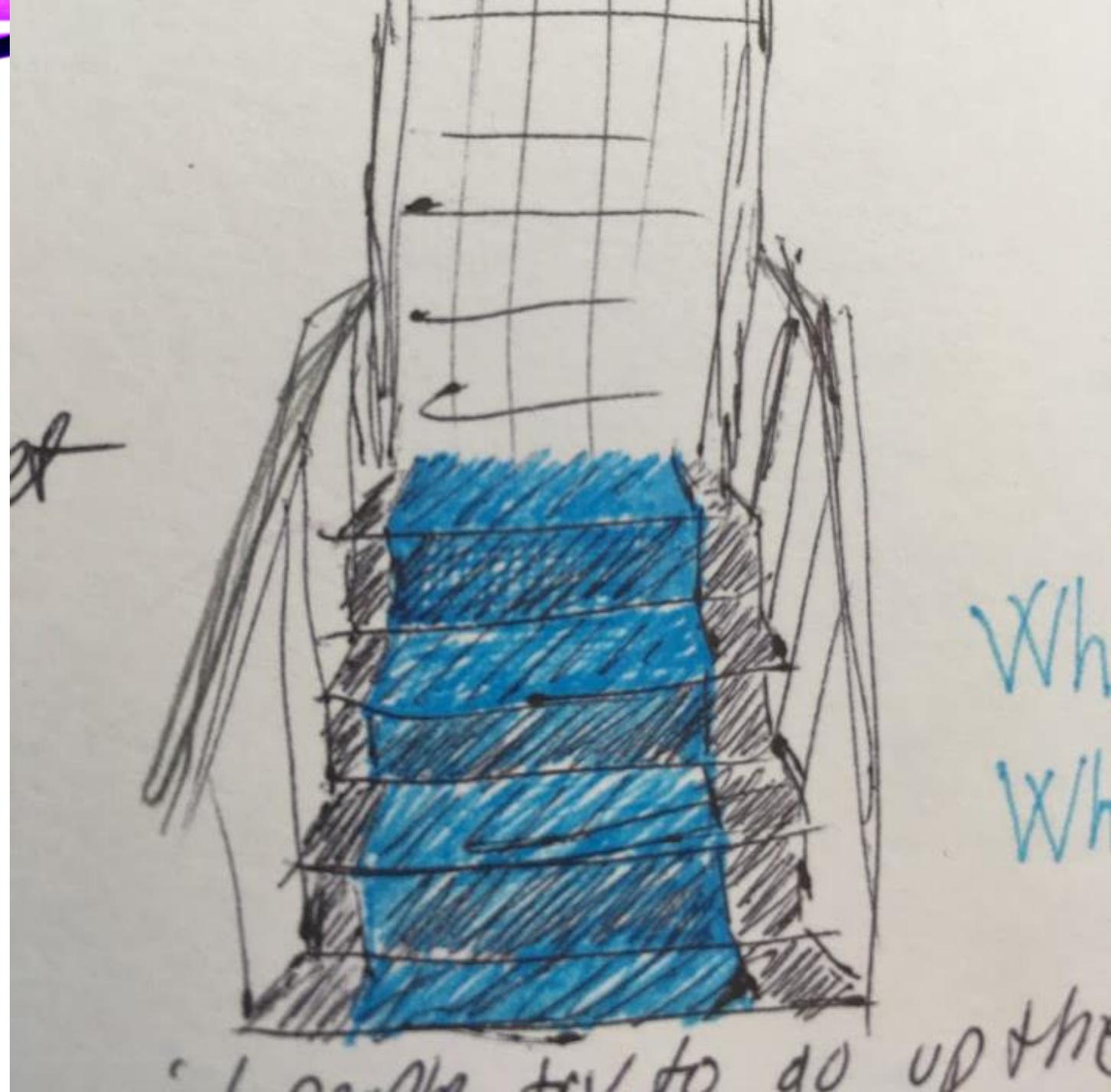
IDEA 2

The next idea was projecting something on a tree. Maybe make it look like something was living inside the tree. And by a motion detector show different things inside the tree.



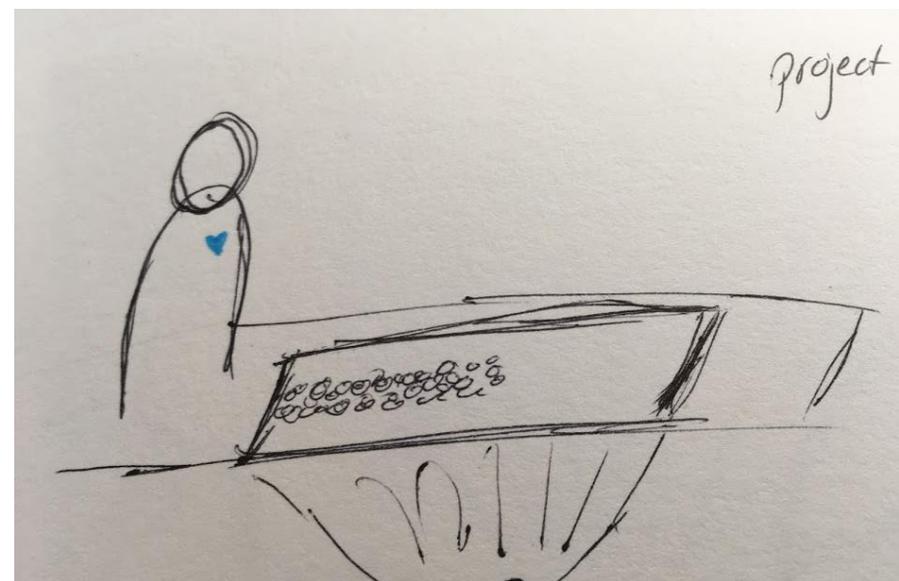
IDEA 3

This idea was about displaying different pictures on the stairs in the garden. Maybe make it look like there was a carpet on the stairs, but when you tried to step on the stairs, it would look like the whole thing was falling apart. To project something on stairs is hard and that is the reason this idea was skipped.



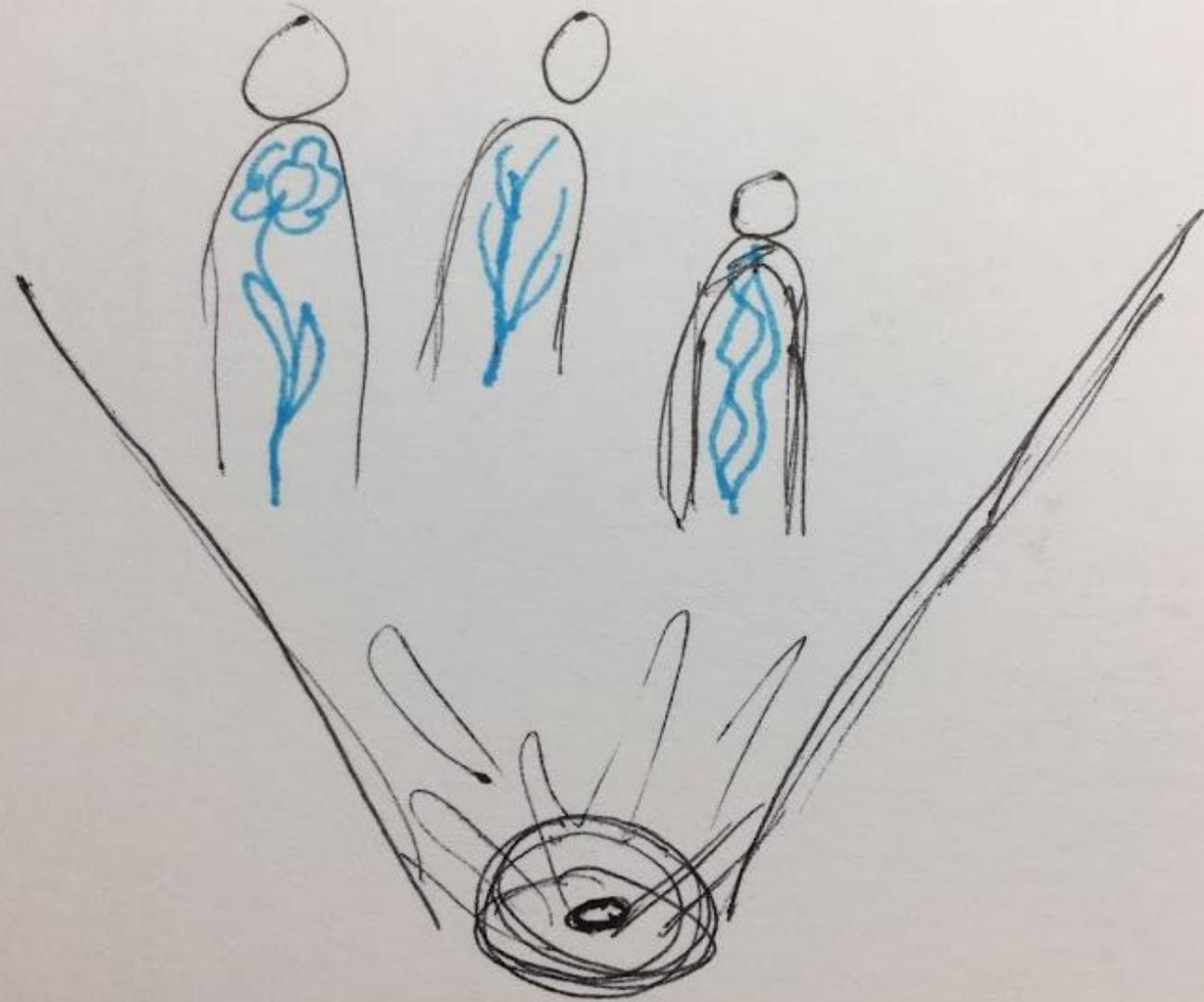
IDEA 4

The next idea was to display something on the ground outside in the garden. The idea was to show a calming picture with motion. This would be hard considering that the ground is not even in the garden. At the same time people would most likely block the light from the projector.



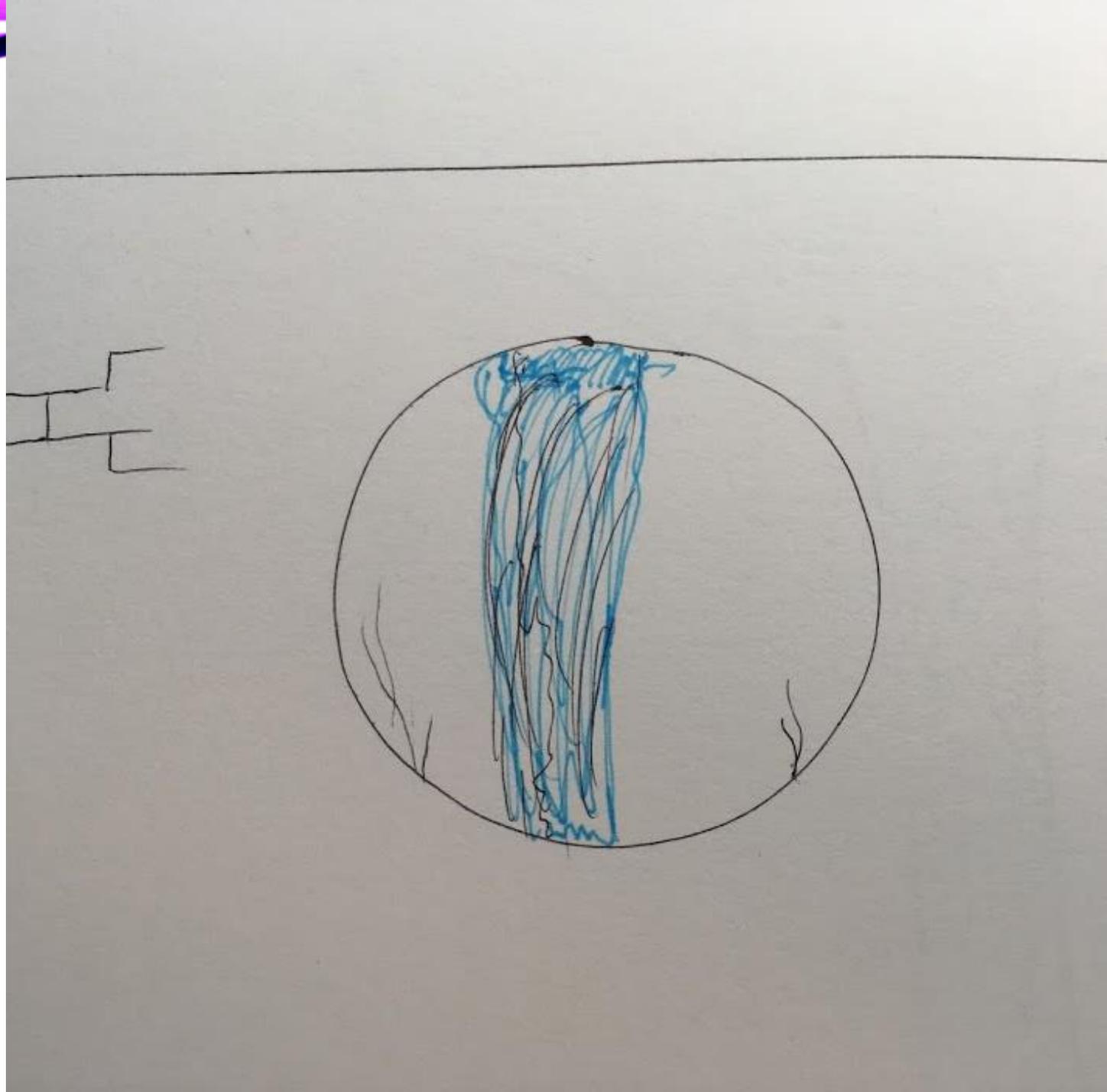
IDEA 5

Displaying things on people walking by so they become a part of the art project. In an ideal world I could just read their faces and project something they like on them. And I can imagine it is annoying getting light right in your face



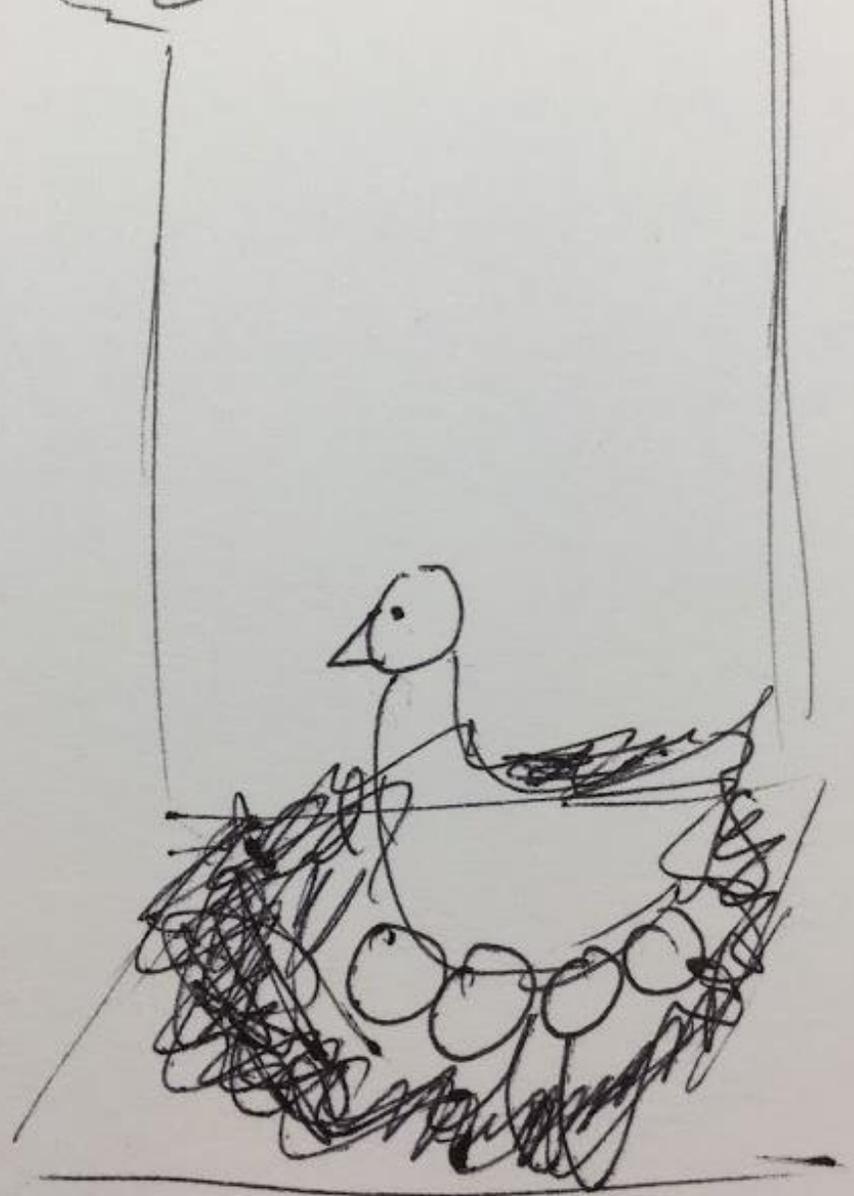
IDEA 6

Displaying a “hole” in the big wall people see when in the library. It should show something calming; like water or other part of the nature. For presenting this in a good and believable way, it had been better if the wall was white.



IDEA 7

Place a web camera inside a bird house and live stream it on a projector in a place at the campus. Make the bird family become a part of the unity at the campus. Have a web side where the video from the bird house is streamed live. This idea was skipped because it fits better for the spring.



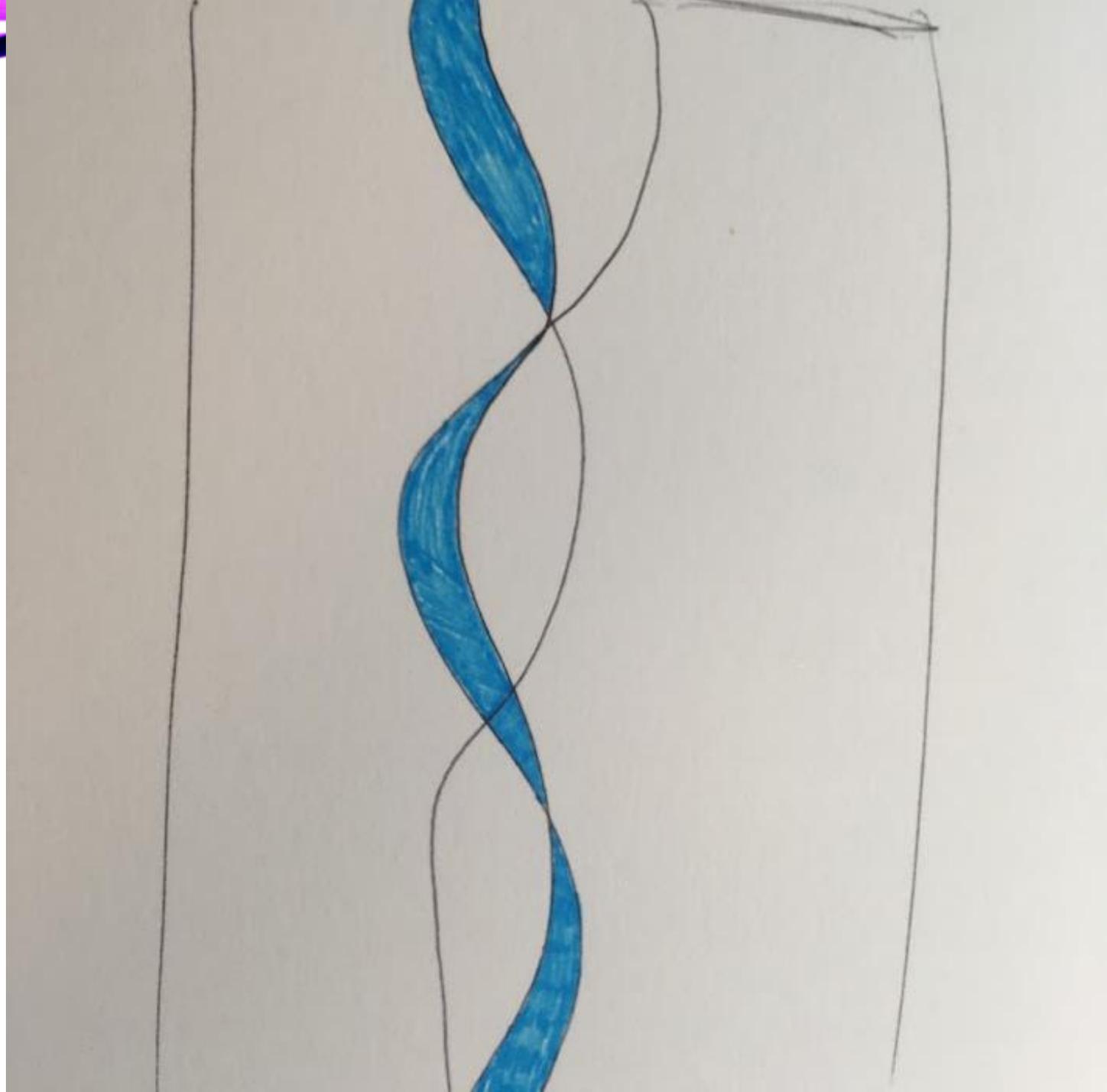


IDEA 8

Collecting data from the university and use them to create something abstract, and then use a projector to show this. This is hard because getting data from the university would be difficult.

IDEA 9

This idea was about using a projector to project something that has something to do with the garden in a calming way. I would display it in either the garden or on a other place at the campus. I choose to continue to work with this idea



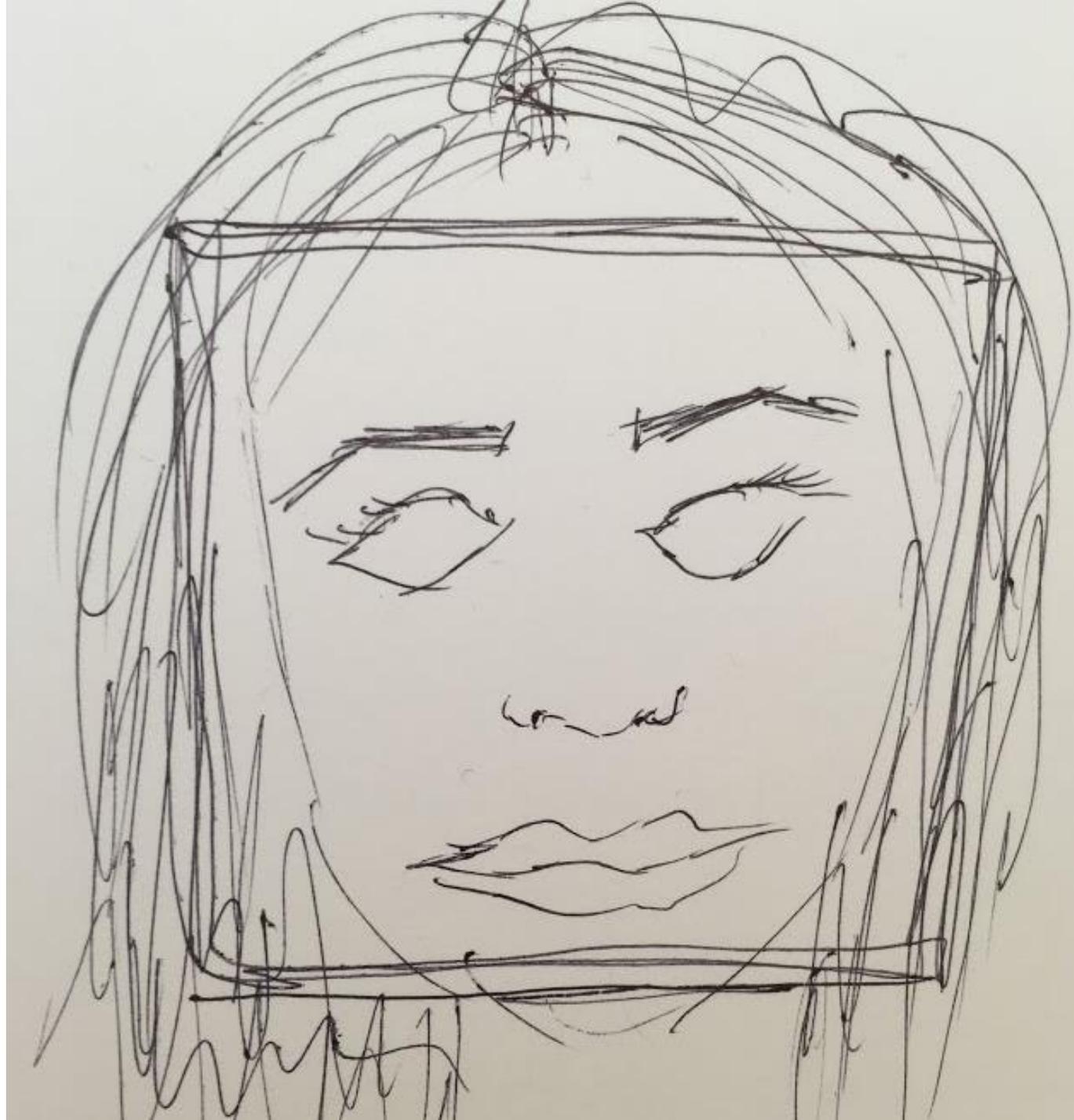


I wanted to combine the feelings of curiosity and relaxing in this idea. The first iteration was about using motion tracking to reveal a picture of the garden. And then make the picture disappear slowly.



What other things that the garden
could be interesting to show?
Different pictures from the campus so
the student would recognize some
places from their everyday student
life.

It was done several iterations on what should reveal the picture. at the beginning it was motion tracking, later turned into face tracking. Other options that were considered was tracking eyes, ears, the whole body, upper body, nose, hands, hips, feet, phones, smiles, bellybuttons or tongue.



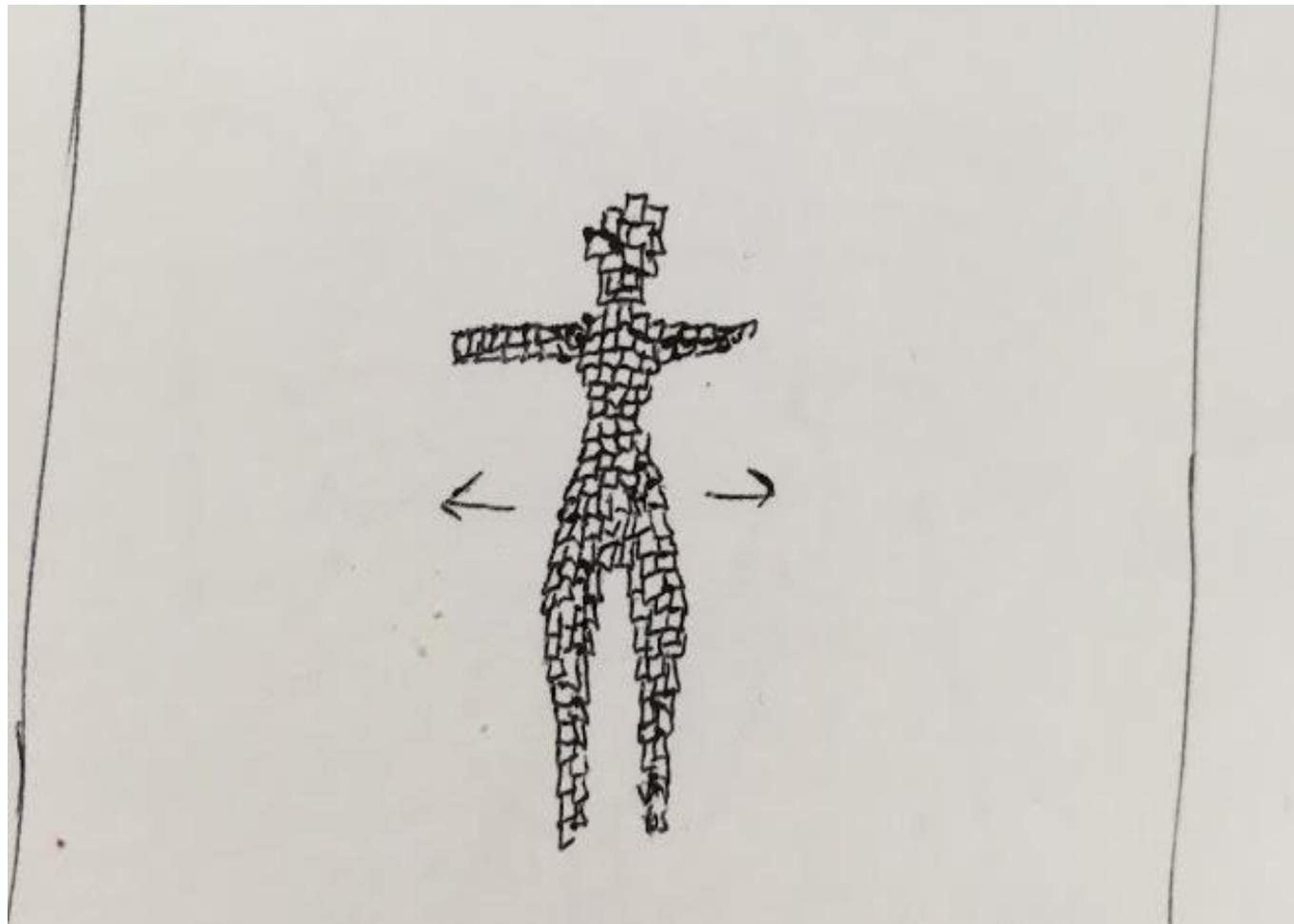


Apart from showing pictures from the campus it was also on the table to show pictures of animals or a live stream from the university. The final product do show pictures from different places at the campus



It was also done iterations on how it should be displayed. Options that were considered here was projector and screen. Chose to work with projector because you can easily display the installation bigger this way.

How is the picture going to be displayed? The options that were considered here were to reveal the picture pixel by pixel after where the detection where. Also falling water, triangles, ellipses that grew and ellipses that shrink were considered. Decided to use dots that reminded of raindrops.



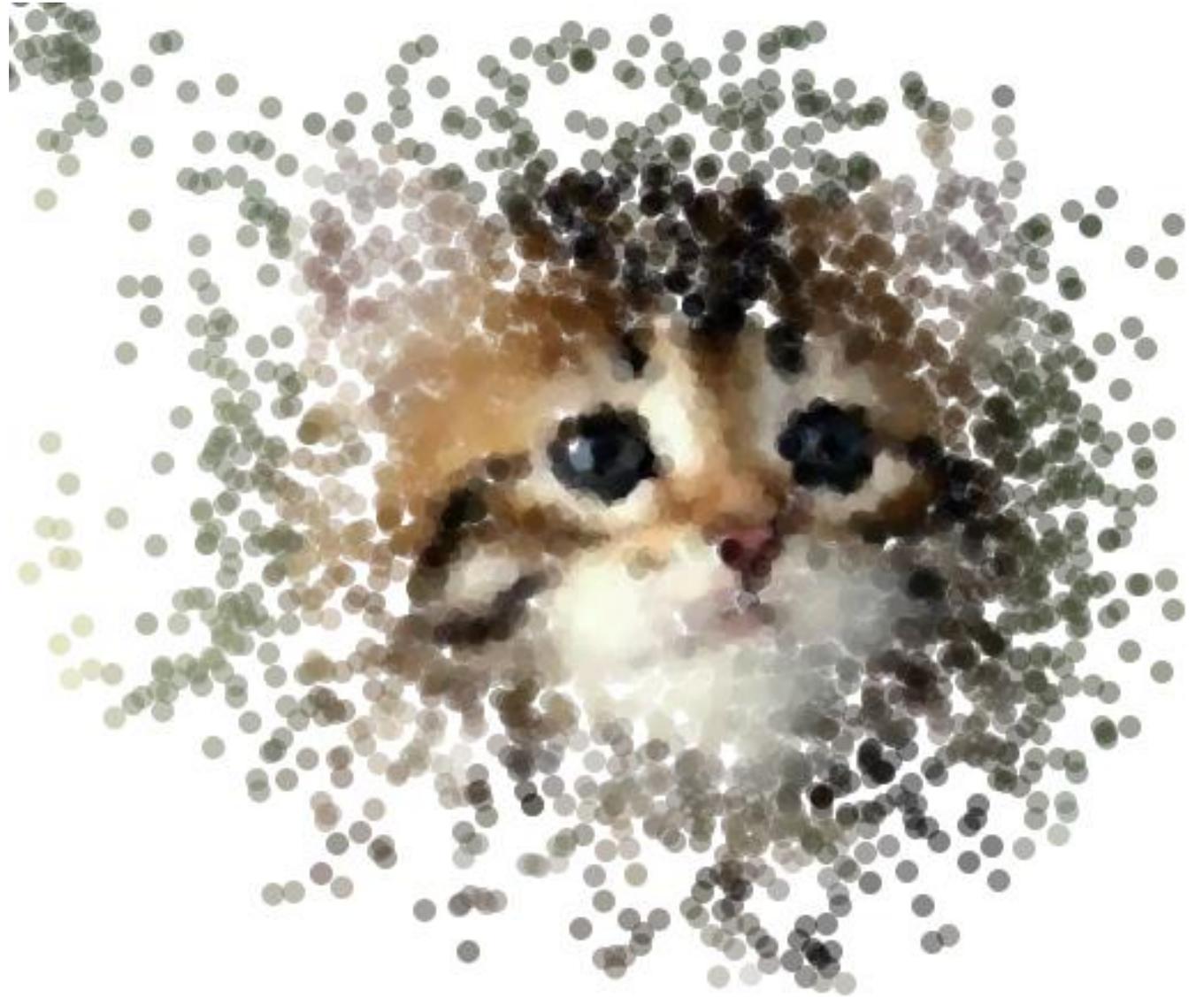


I choose to stick with tracking the face and display the picture of something from the campus with ellipses that could look like rain drops. This I did by making the ellipses be transparent like water would be.

I started to make a program that
reviled a pictures by tiny ellipses
where the pointer on the screen was.



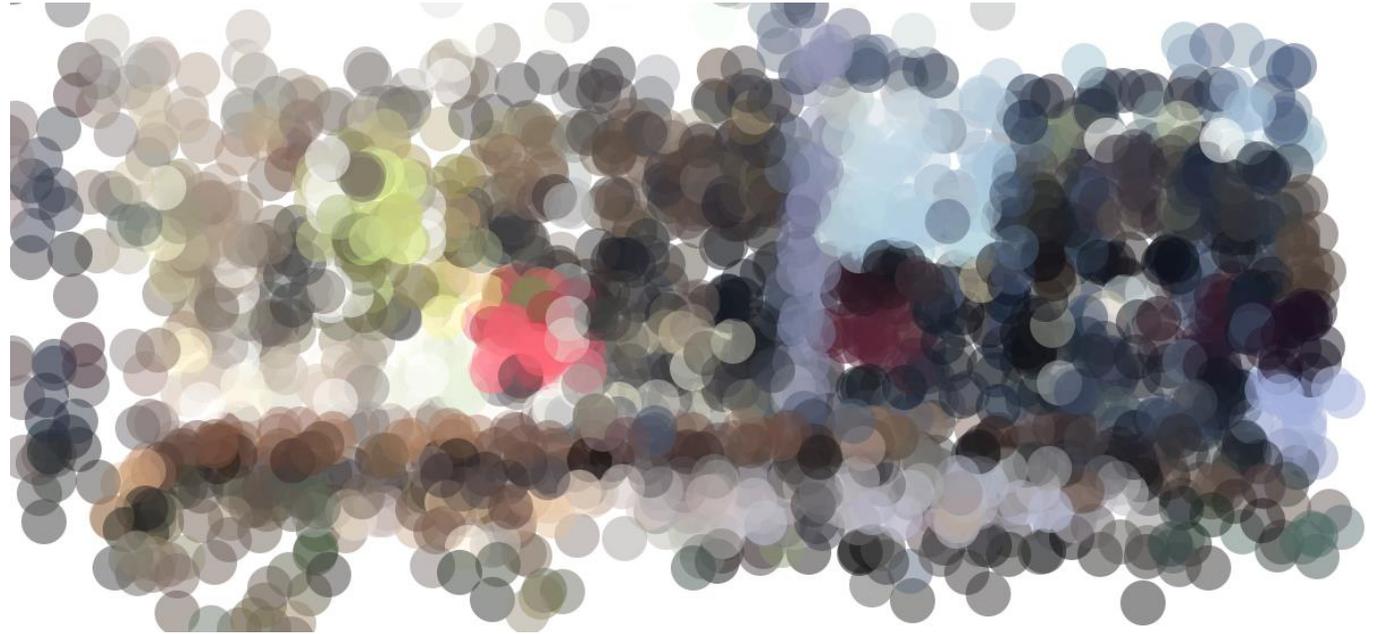
Then the web camera were connected and I made it so that instead of the pointer the dots appear where the face is.



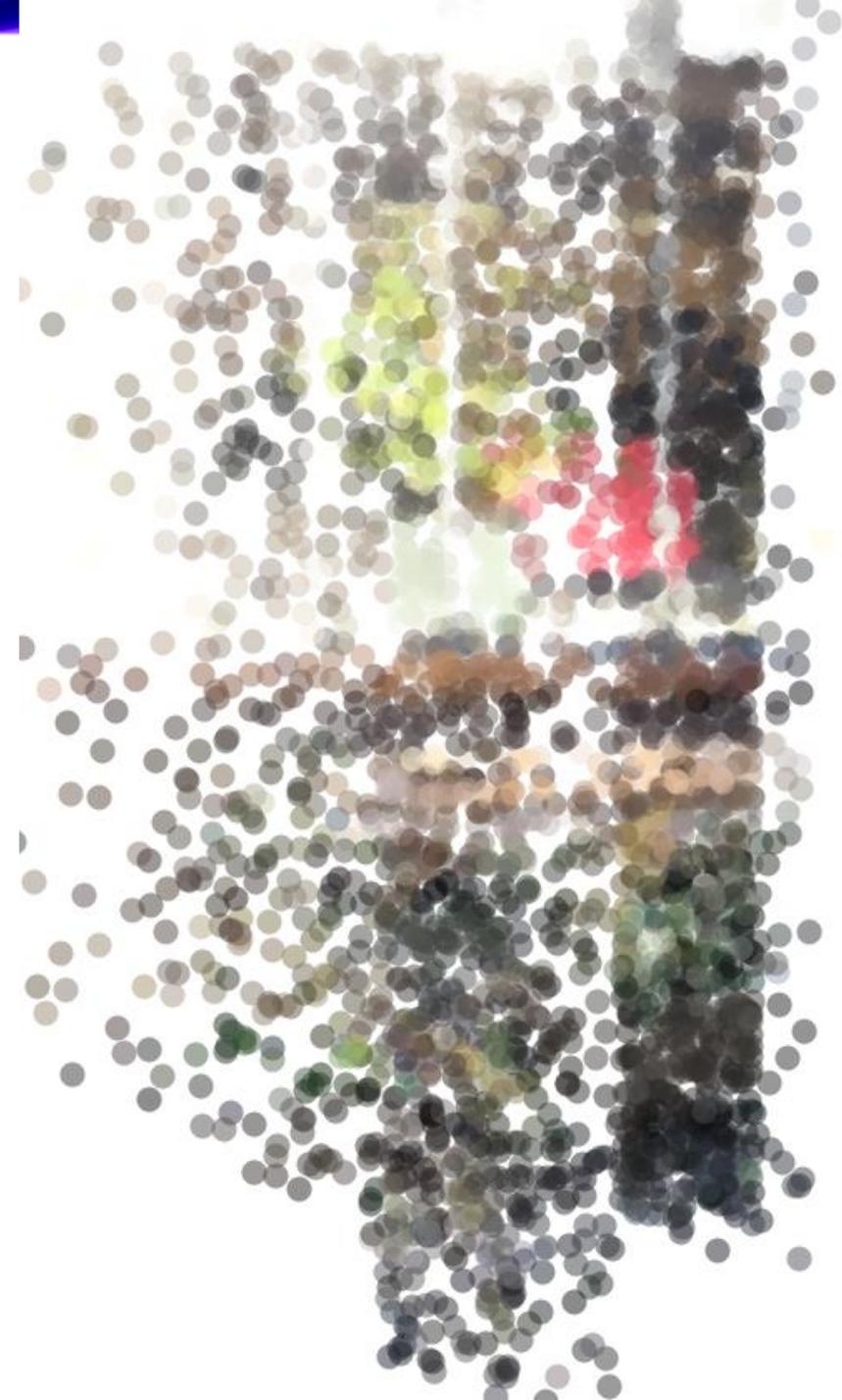
Tried with bigger picture of the library taken from the garden. It did take some time so decided to make the dots bigger



This turned out to be very unclear and would make it hard to people to recognize the place.



I then did make the dots a little bit smaller and made the horizontal portion draw all the way vertical to faster and easier display the picture

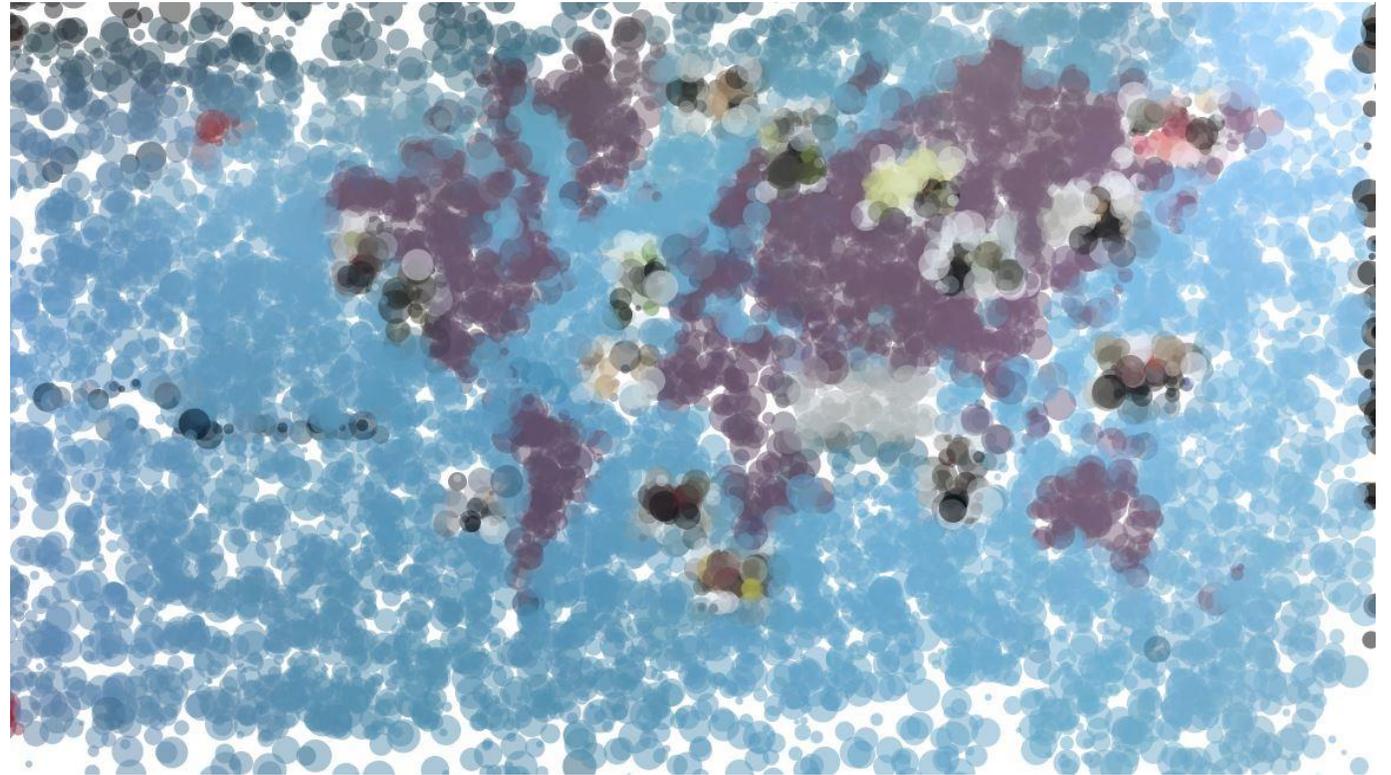




I then decided to make the dots in different sizes to be more relaxing and more authentic to rain drops.



It is also added random bigger dots around on the whole picture to show that something is happening even if there are no people around. These dots do appear in a slower way. When a face is the detected it will place smaller drops in that place of the picture but a lot faster.



FUTURE

The continuous working will include adding different pictures to the list of pictures that is displayed. It had also been cool to make the picture be revealed by what kind of weather it is outside. So when it is raining it is revealed with raindrops, when it is sun it is revealed looking like it is the sun shining where the face is detected in the picture and when it is cloudy the picture will be revealed by a more cloudy shape.