

**RC15\_22220948**

## SKILLS 01 - SENSING THE CITY

### Assignment 1\_Roadmap

In terms of Arduino data collection, I used the Arduino device and data logger shared by the RC15\_GroupE group, but recorded personal walking paths and data. The following is the roadmap and HeatMap obtained by visualizing in QGis based on the measured data.



## SKILLS 01 - SENSING THE CITY

### Assignment 1\_Heatmap

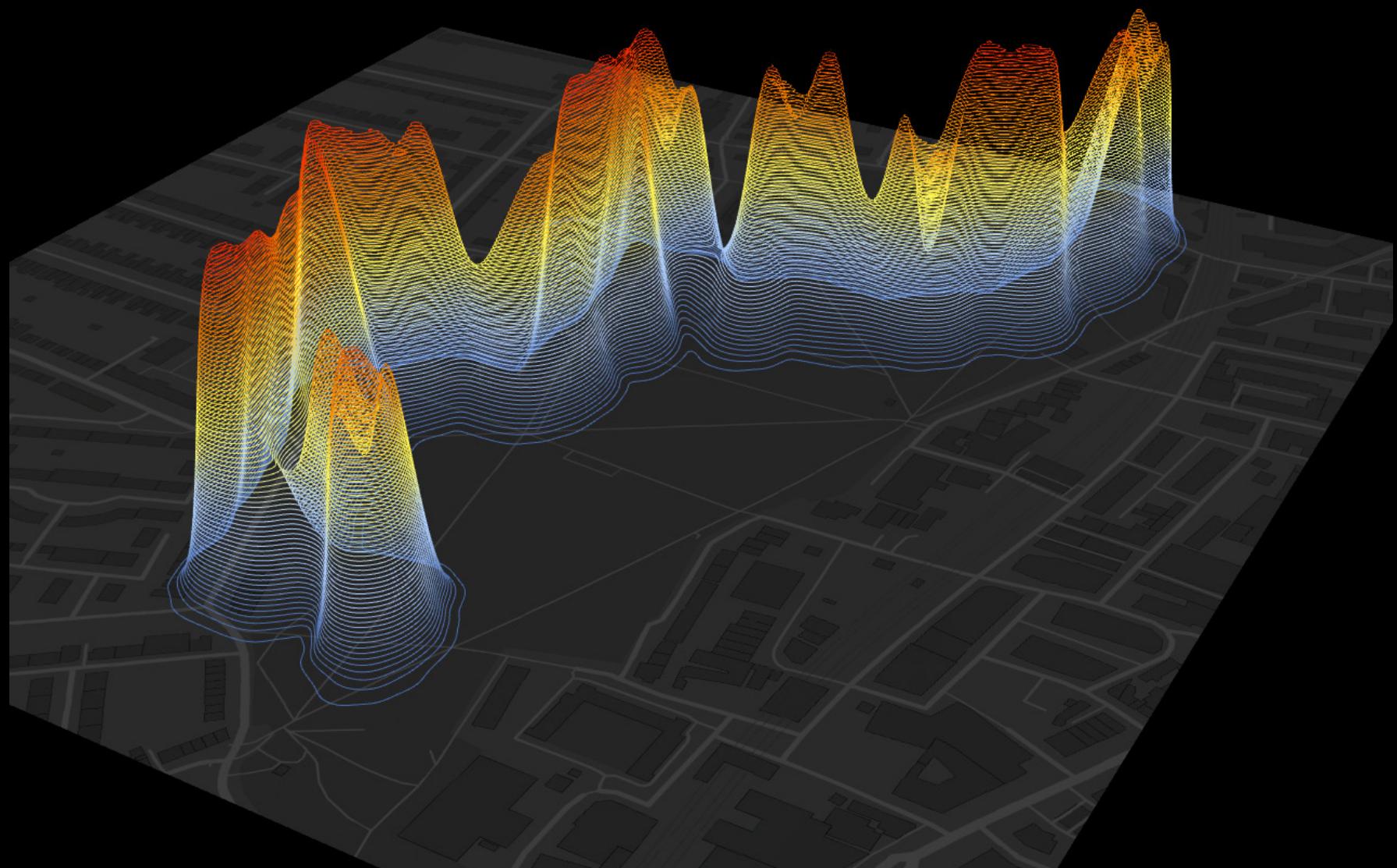
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## SKILLS 01 - SENSING THE CITY

### Assignment 1\_3D Map

Visualised data in form of a 3d diagram in Rhino.

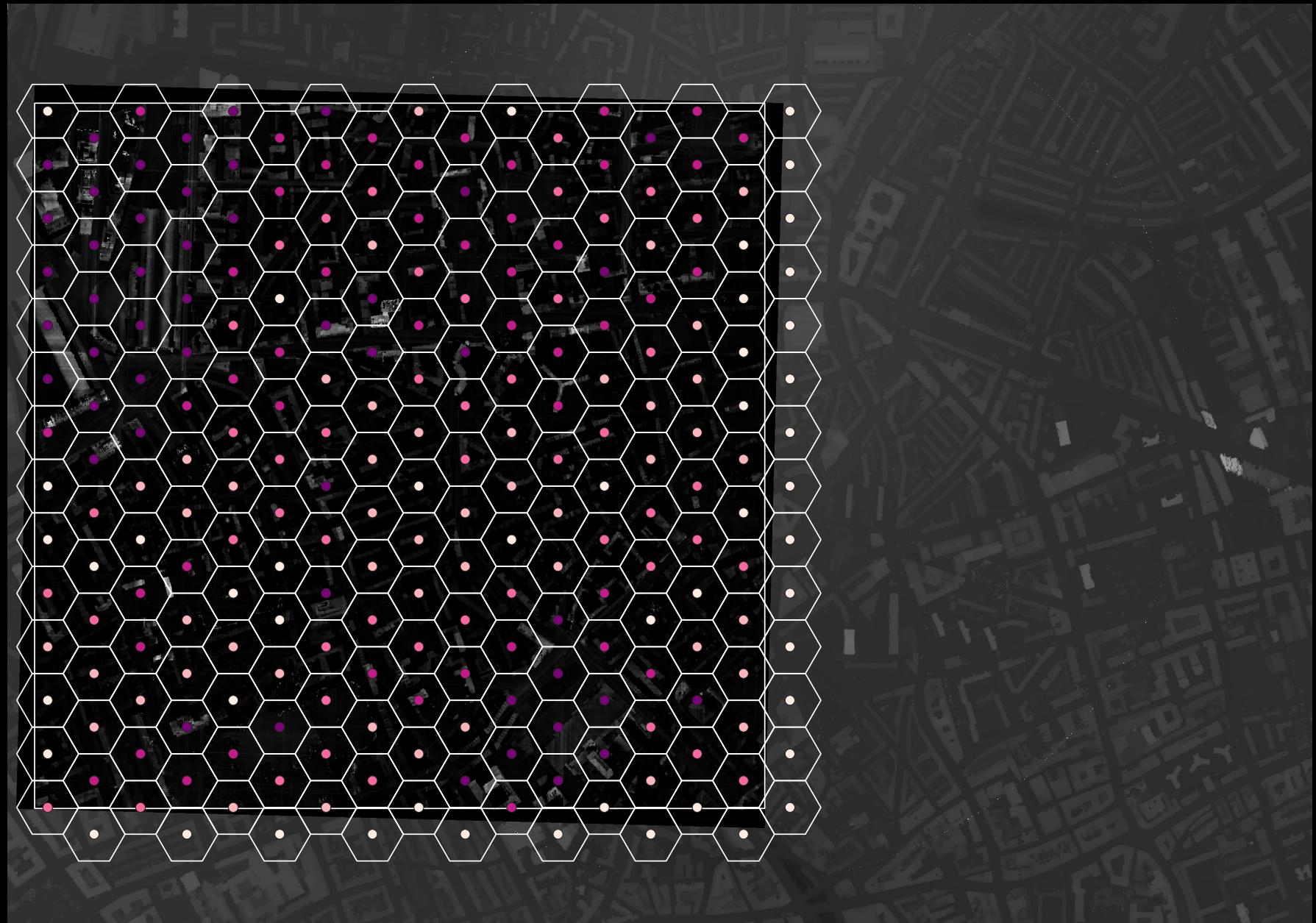


## SKILLS 02 - DATAMINING THE CITY

### Assignment 2\_Wurman Dot Map

Download a dataset from Defra.<https://environment.data.gov.uk> File name islidar\_composite\_last\_return\_dsm-2022-1-TQ38sw.

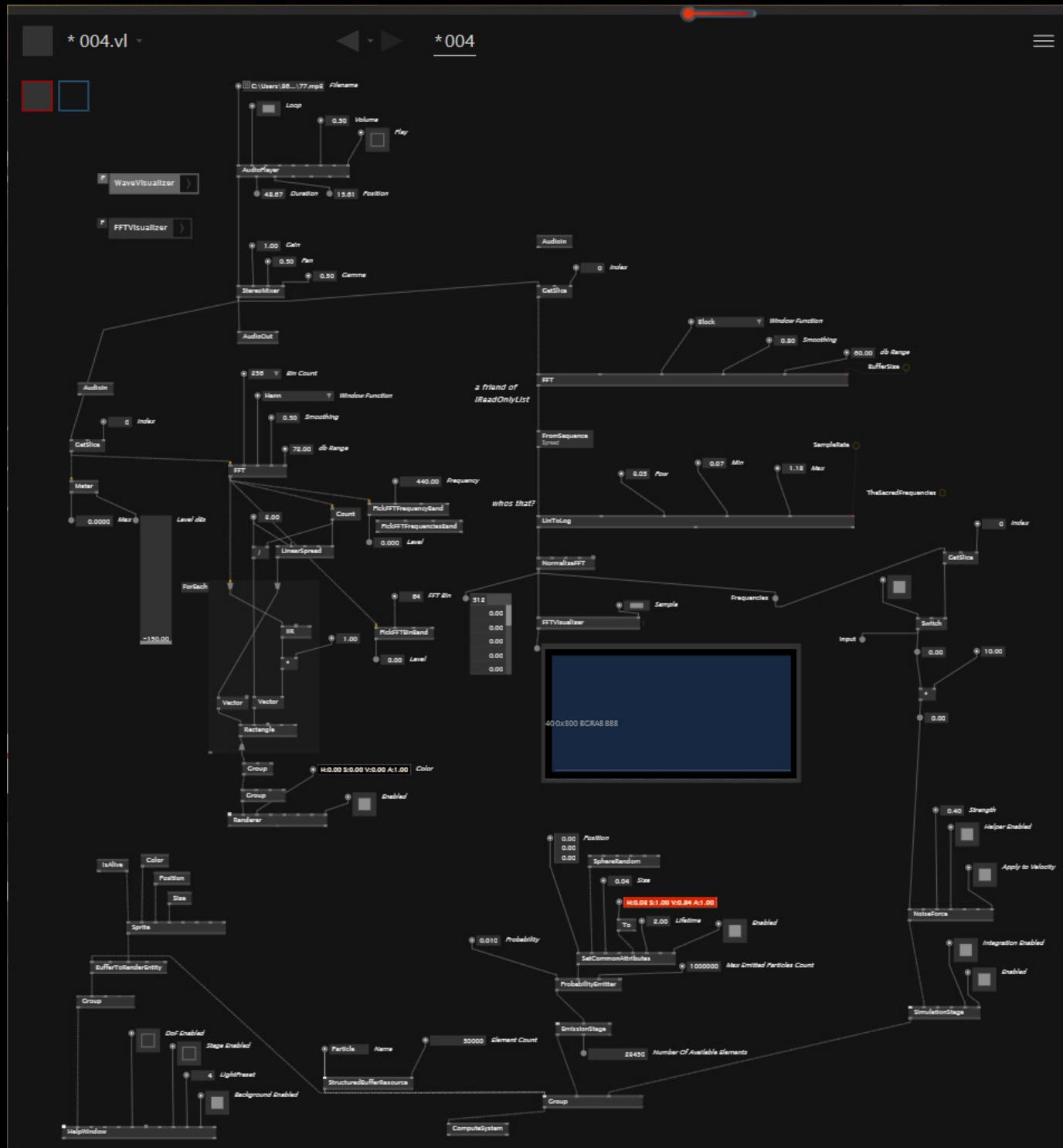
Visualise the dataset in QGis using Wurman dots technique.



# SKILLS 03 - DATA DRIVEN GEOMETRIES

## Assignment 3\_Patch

Patch that reads a audio file in real time and that drives the geometry, mix 2d (Skia) and 3d elements to one consistent interface.

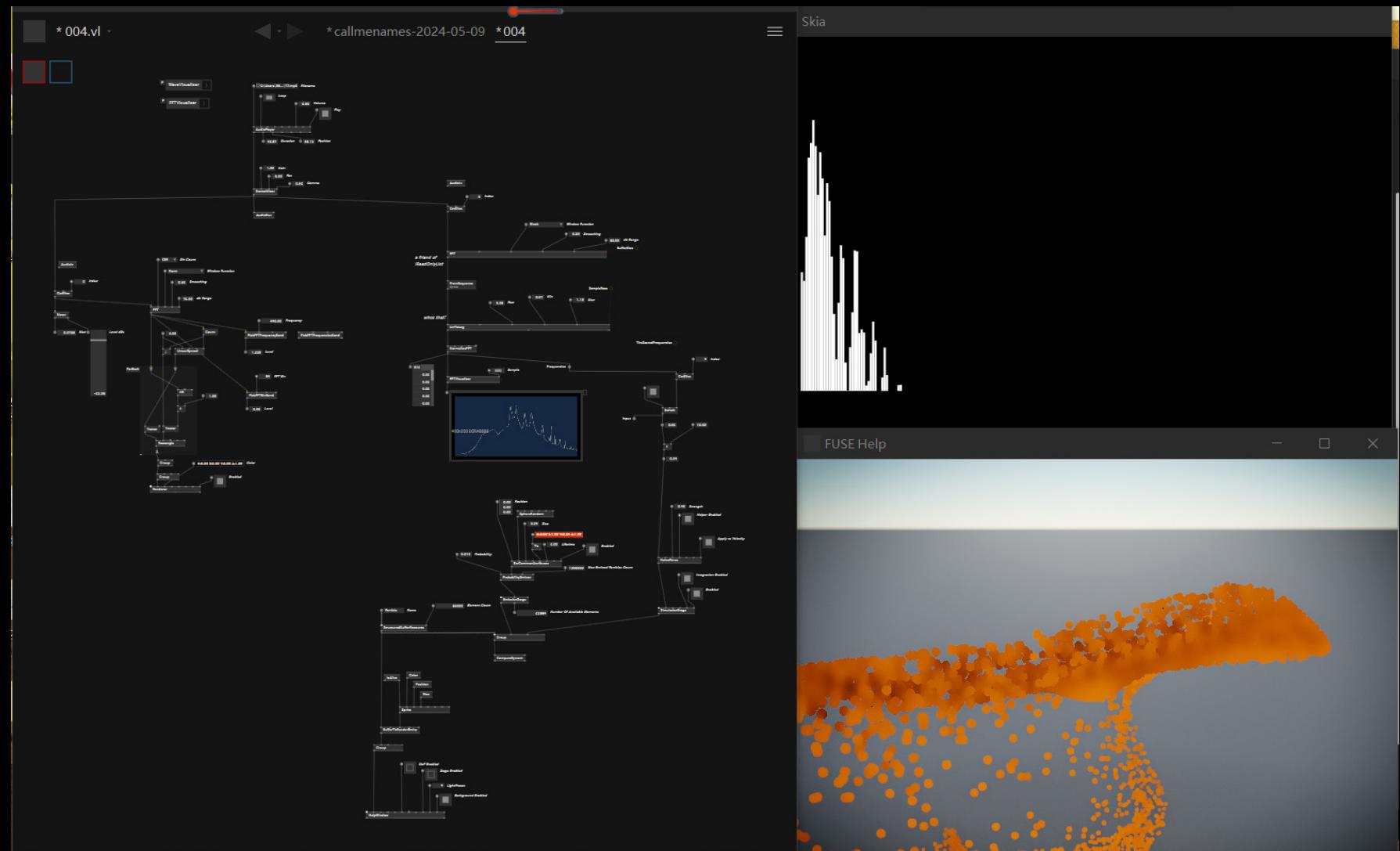


## SKILLS 03 - DATA DRIVEN GEOMETRIES

Assignment 3\_Screenshot

Screenshots generated in real time with 2d (Skia) and 3d elements.

Screen recording files can be found in github. [https://github.com/UD-Skills-2023-24/github-codebook-RC15\\_22220948/blob/main/RC15\\_22220948/VIDEO%20FROM%20VVVV.mp4](https://github.com/UD-Skills-2023-24/github-codebook-RC15_22220948/blob/main/RC15_22220948/VIDEO%20FROM%20VVVV.mp4)



All files can be found on

[https://github.com/UD-Skills-2023-24/github-codebook-RC15\\_22220948/tree/main/RC15\\_22220948](https://github.com/UD-Skills-2023-24/github-codebook-RC15_22220948/tree/main/RC15_22220948)