

Now painting with layer: 1, press a key to switch  
Press d to clear screen

50 ALPHAVL

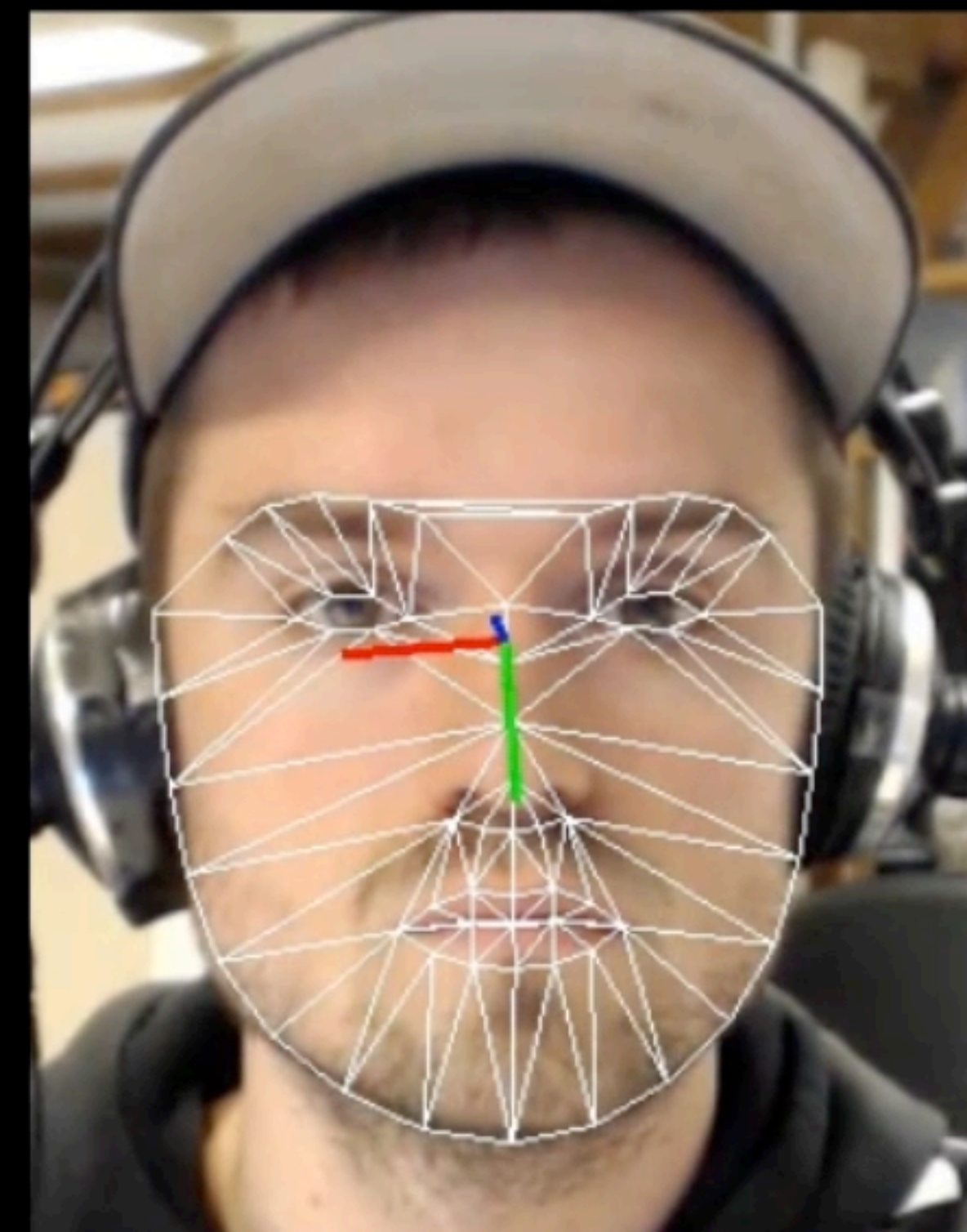
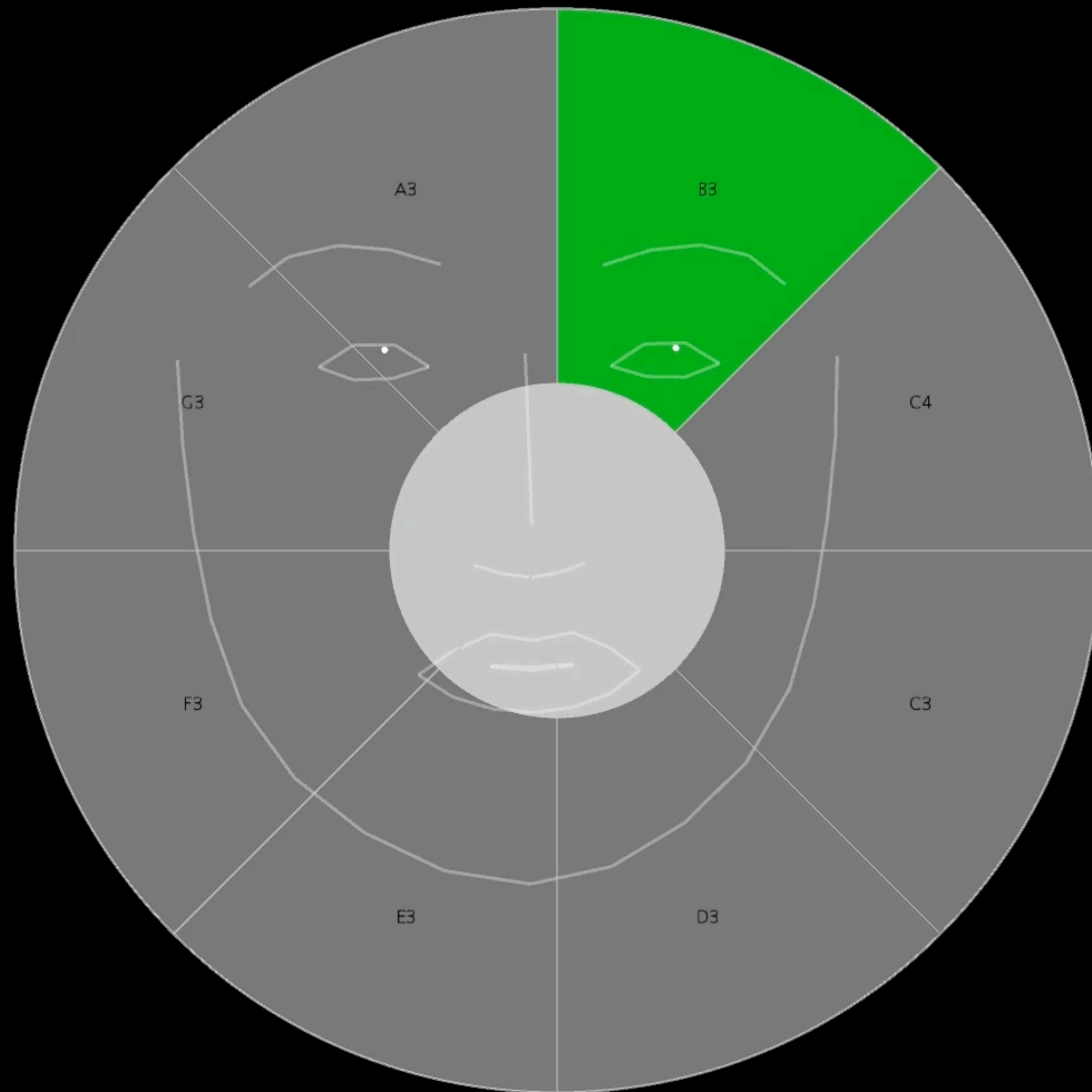
1 BRUSHRESOLUTION

35 BRUSHSIZE

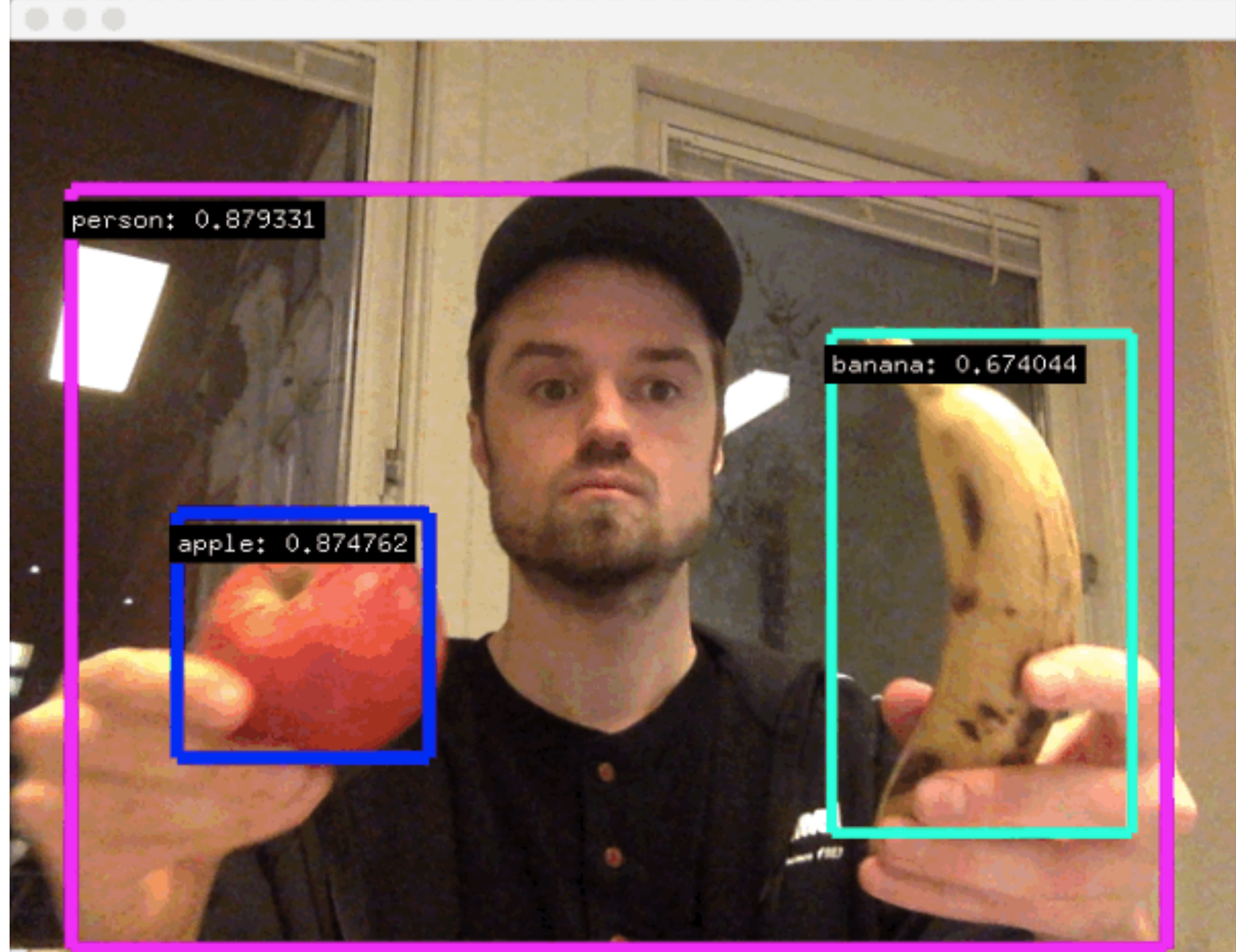
# Andreas Refsgaard



# Playful Machine Learning



# Machine Learning



# Machine Learning



Wekinator File View Actions

New Project

OSC In OSC Out

Stop Recording

Train

Run

Delete last recording

Re-add last recording

Values randomize

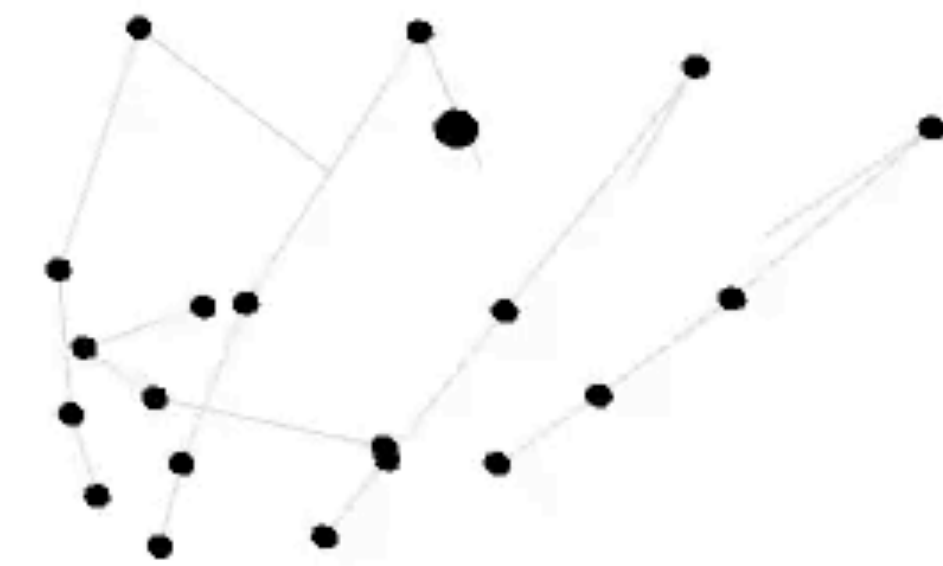

Examples

Configure

Models

Models	Values	Examples	Configure	Edit	Status
outputs-1	1	66	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

Status: New examples recorded



# Supervised Machine Learning

Prototype without (much) code

Iterate faster

Let users train and decide the interactions

Use complex inputs



# TEACHABLE MACHINE

Teach a machine using your camera,  
live in the browser. No coding required.

 Let's Go!

or [skip the tutorial](#)

This is an  
**A.I.**  
Experiment

Made with  
some friends from  
**Google**





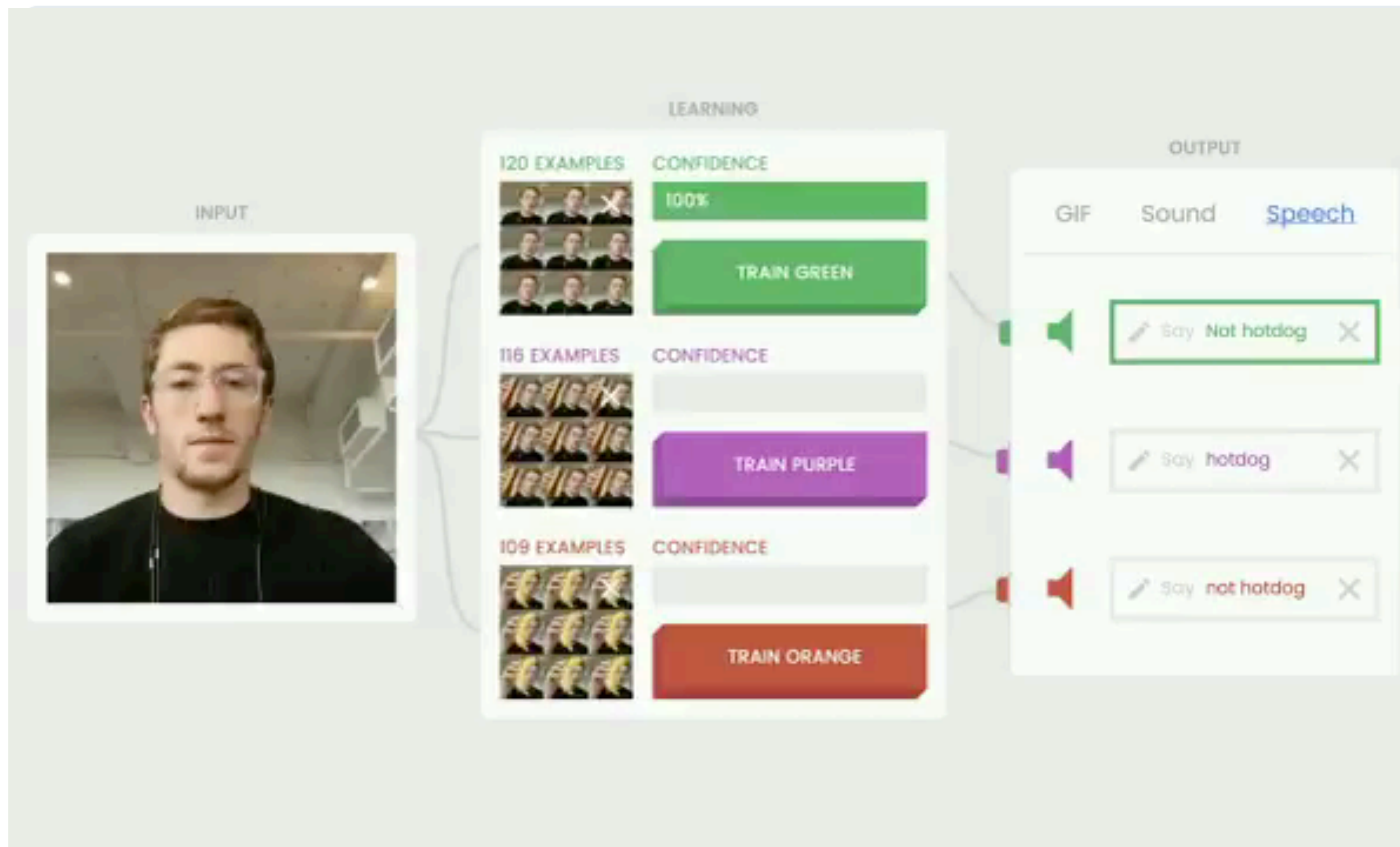
**Barron**

@WarronBebster

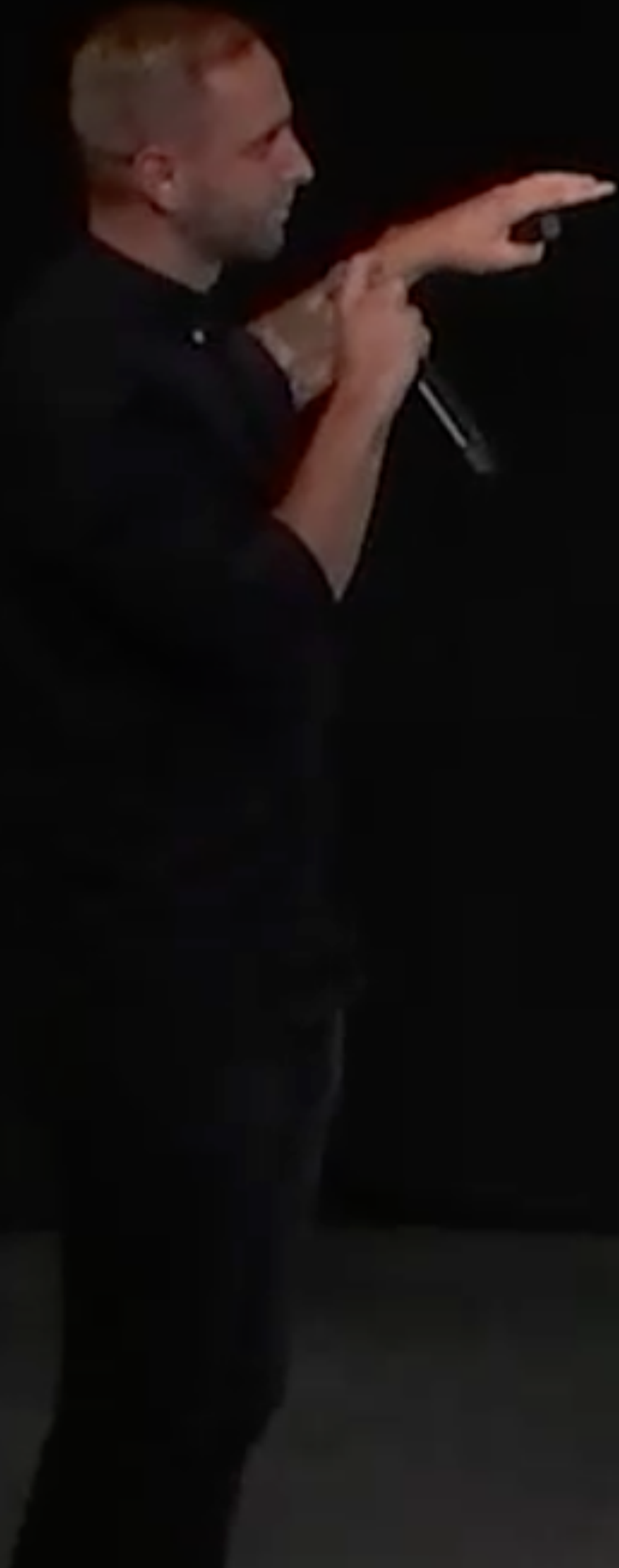
Follow

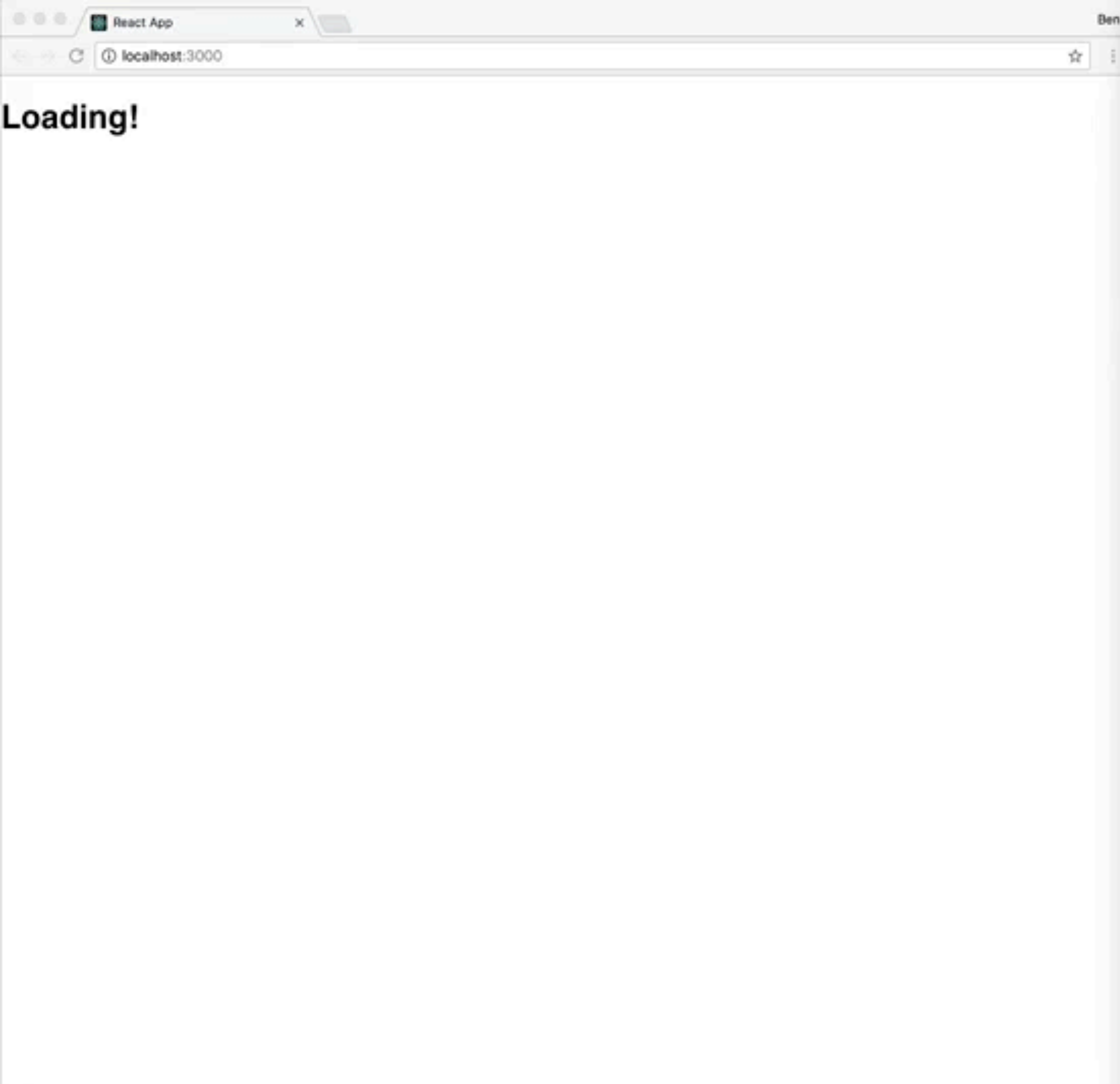


I used [#teachablemachine](#) to make [@siliconhbo](#)'s Not Hotdog app:

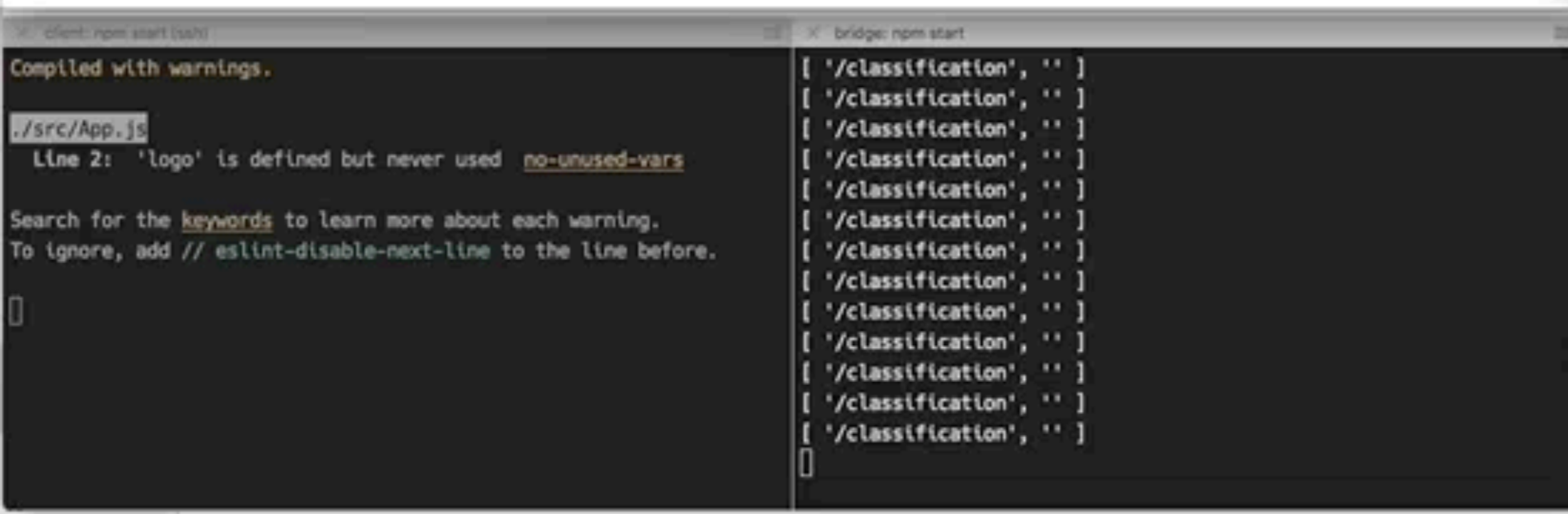








DoodleClassifier	
BasicRow	0
Add samples	
Train	
Run	
Classify	
Save	
Load	
CV initial	-
Min area	39,3878
Max area	204,673
Threshold	127,5
Dilation	3





Prince

INSTRUCTIONS:  
Click an image to get it  
classified as funky or boring.  
Press ENTER for new image search

Click an image to have it  
classified as either  
boring or funky

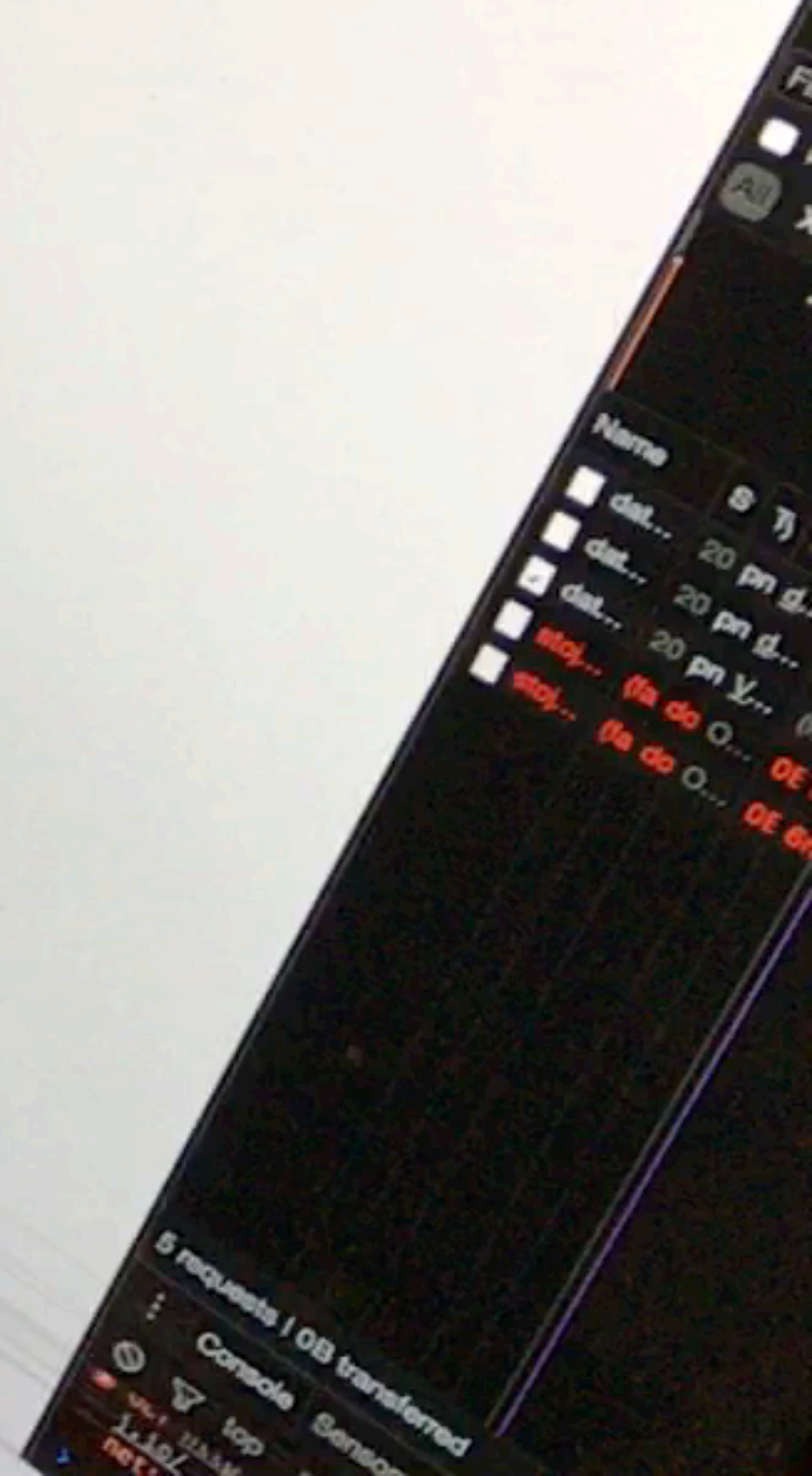
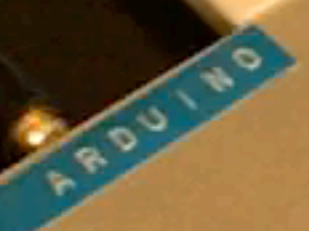
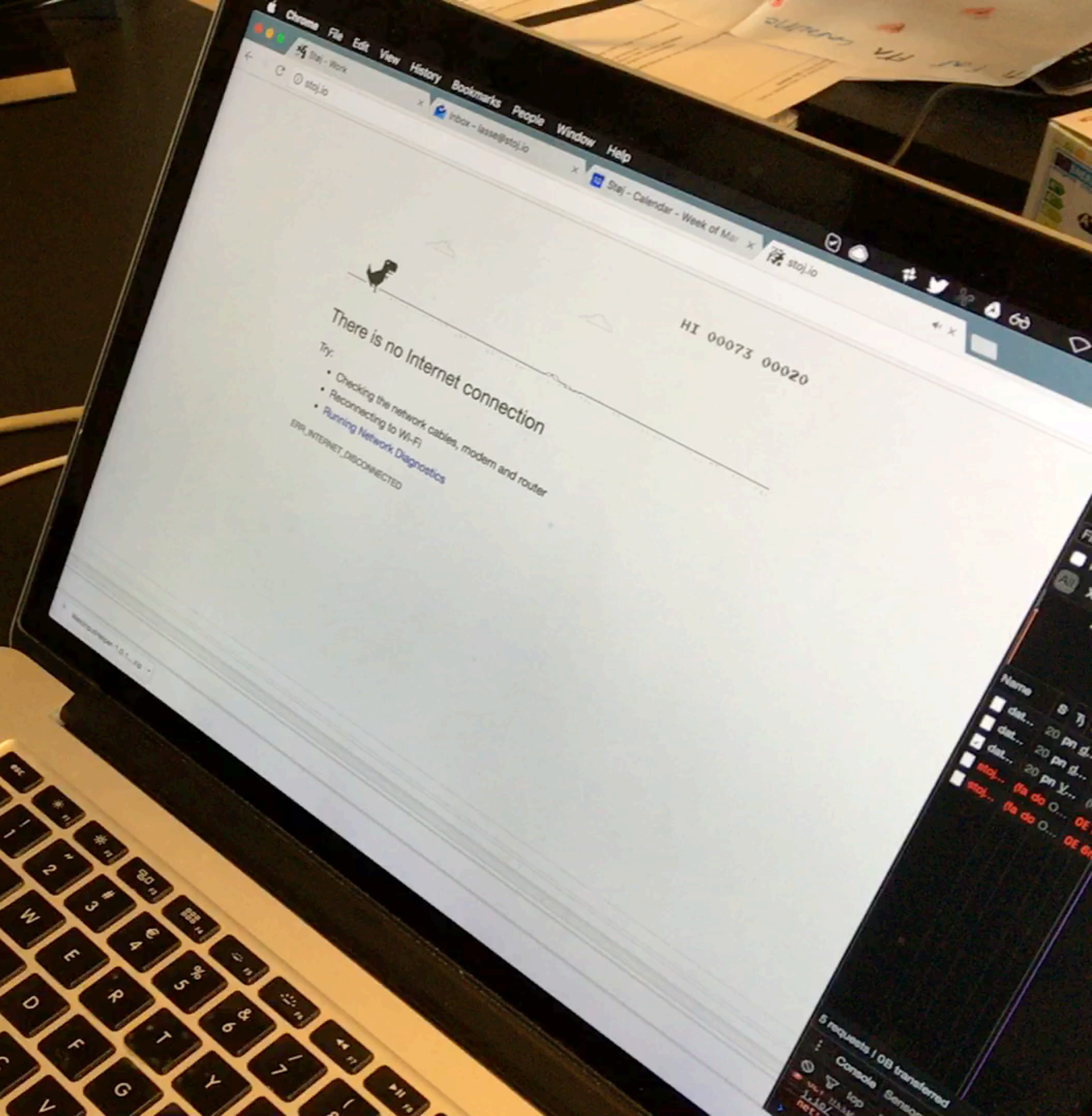
# IS IT FUNKY?

An installation that determines  
what is funky and what is boring.

BY Andreas Refsgaard  
The Neural Aesthetics @ School@fMa,  
Berlin July 2016



FUNK SCORE: 10



# Sound controlled Wolfenstein



FLOOR	SCORE	LIVES		HEALTH	AMMO
1	0	3		100%	16



# SOUND CONTROLLED INTERGALACTIC TEDDY



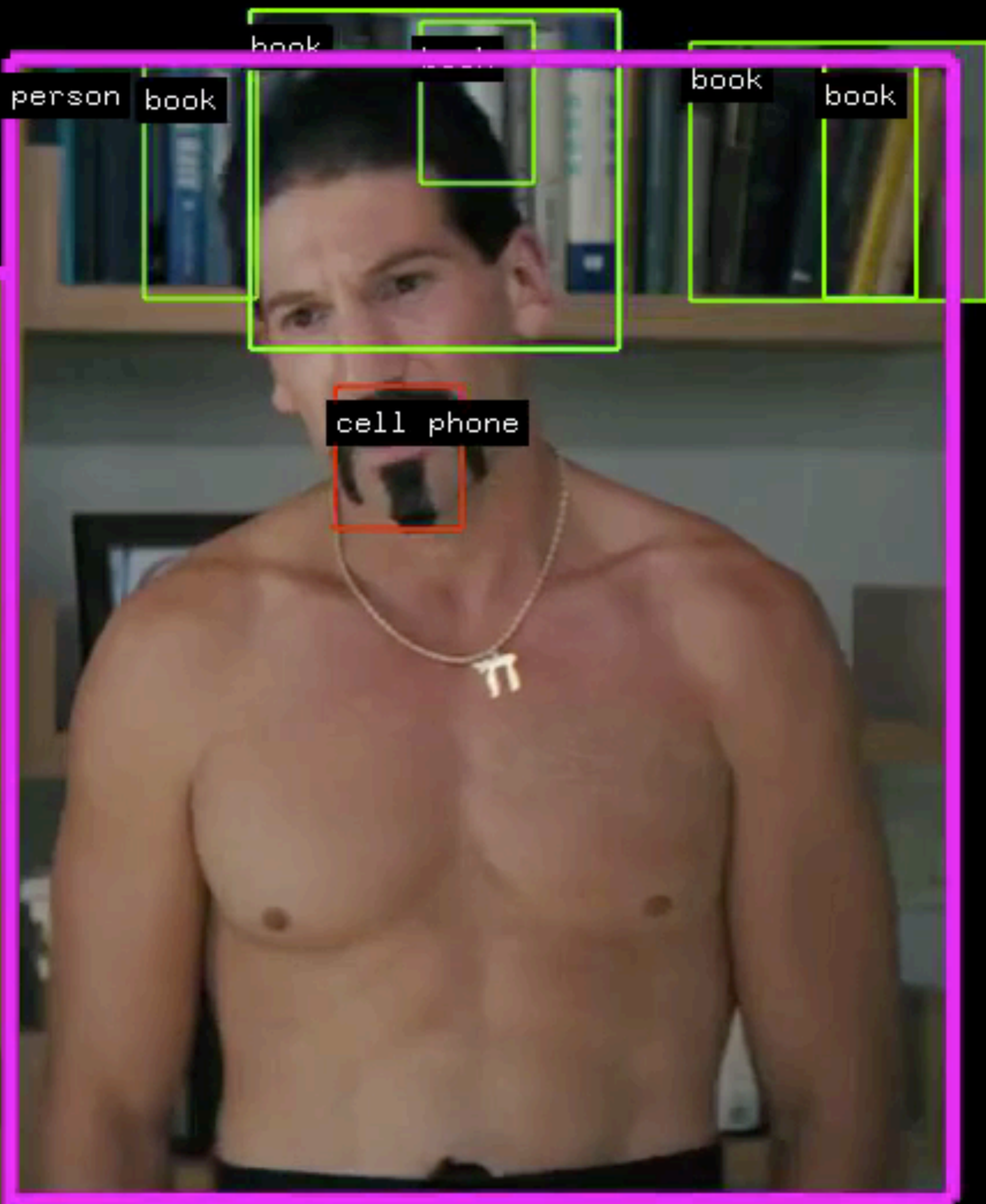
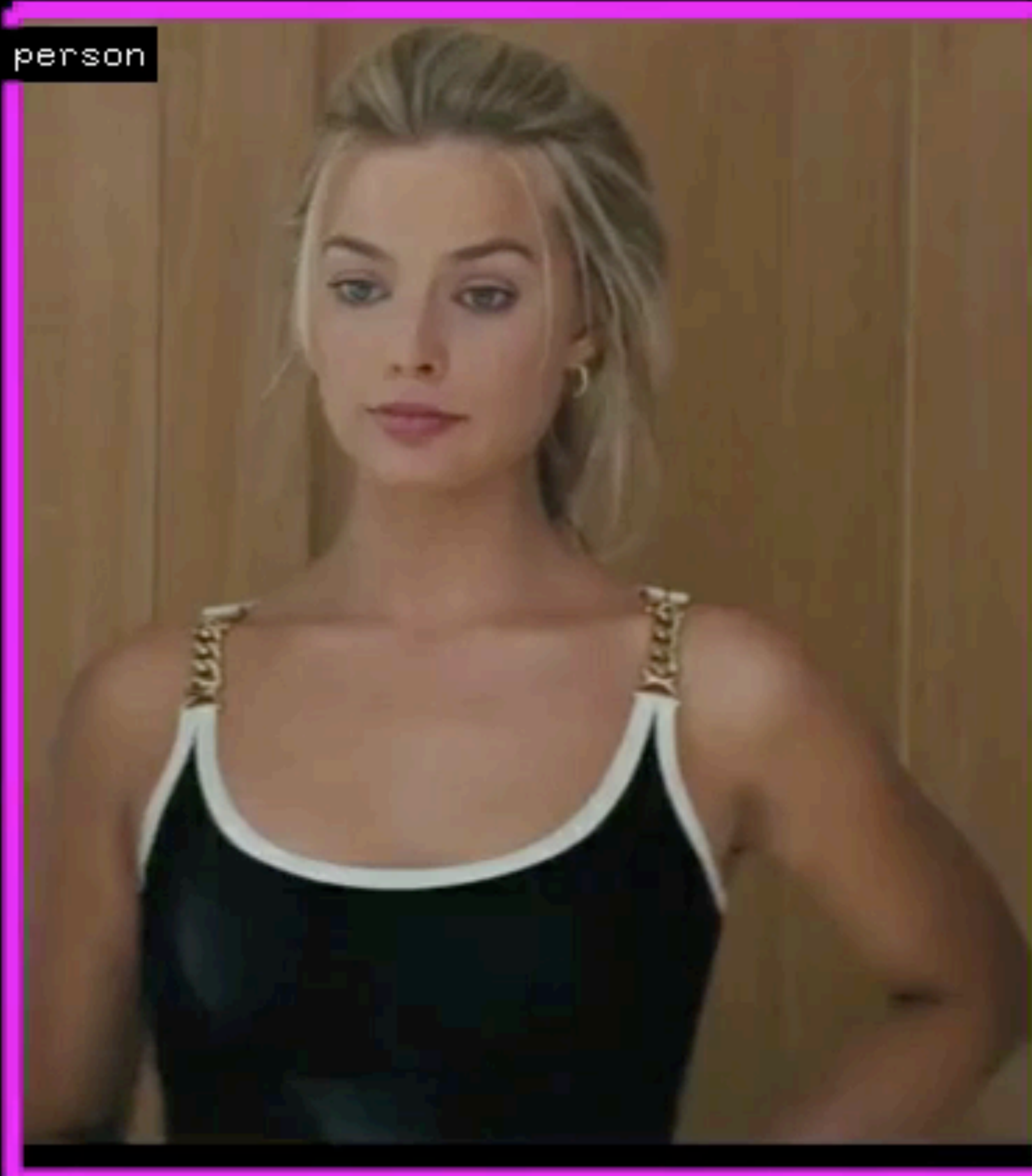


Future Self : 3rd July, 2021

# Non-interactive works



3%  
Cavities Ris



person

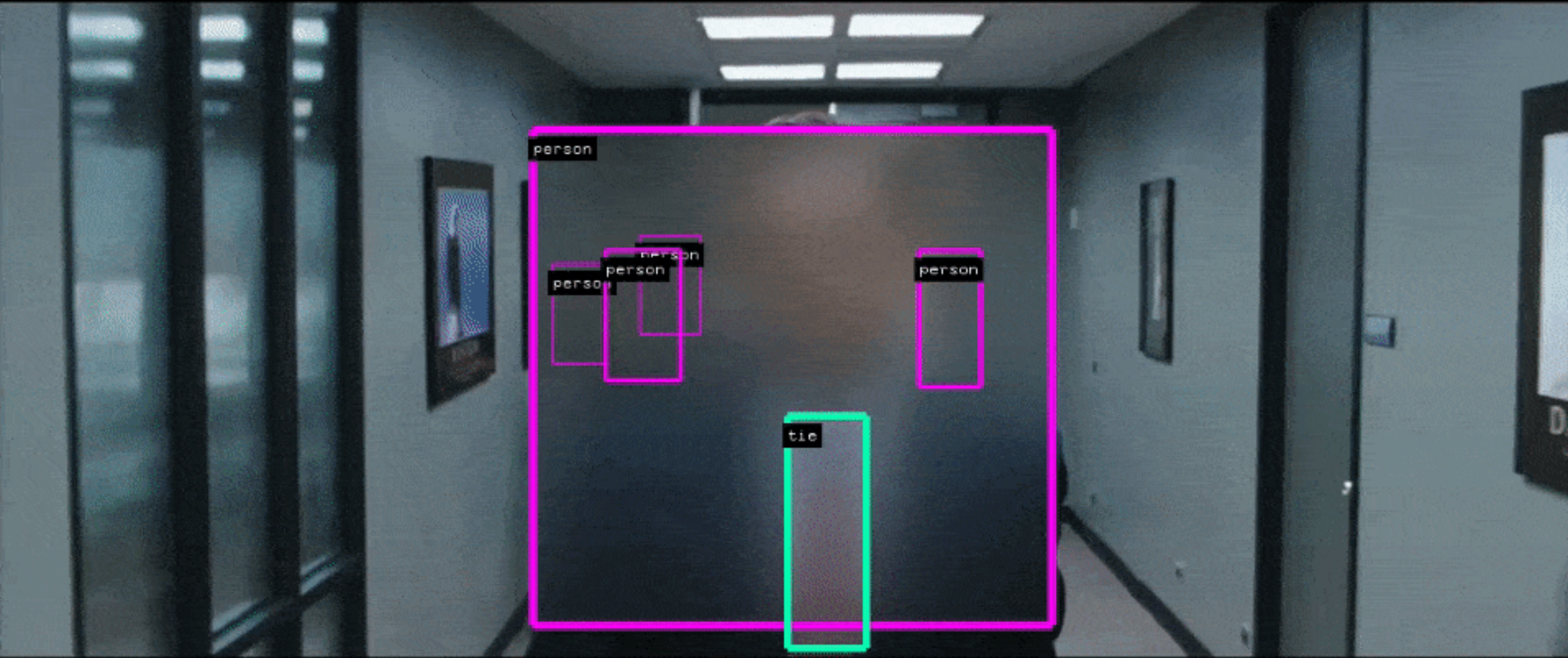
person

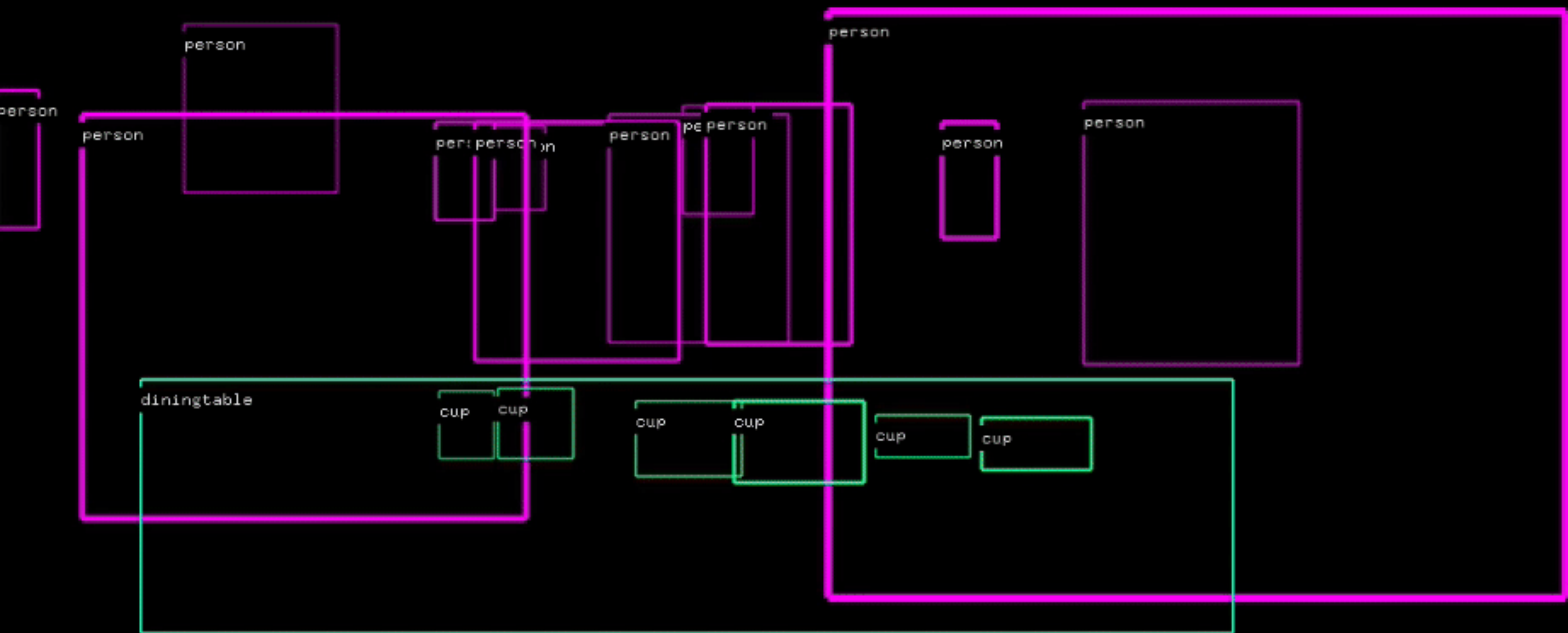
person

person

person

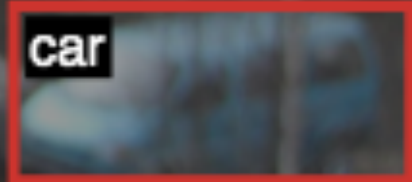
tie







kite



car



giraffe

toilet



Poems about things  
is a project that  
generates poetry  
from everyday  
objects around us





why can't refrigerators  
be laid down

why can't you open a refrigerator  
from the inside

why can't a refrigerator  
cool a room

why can't a refrigerator lay  
on its side

why can't you lay refrigerator down

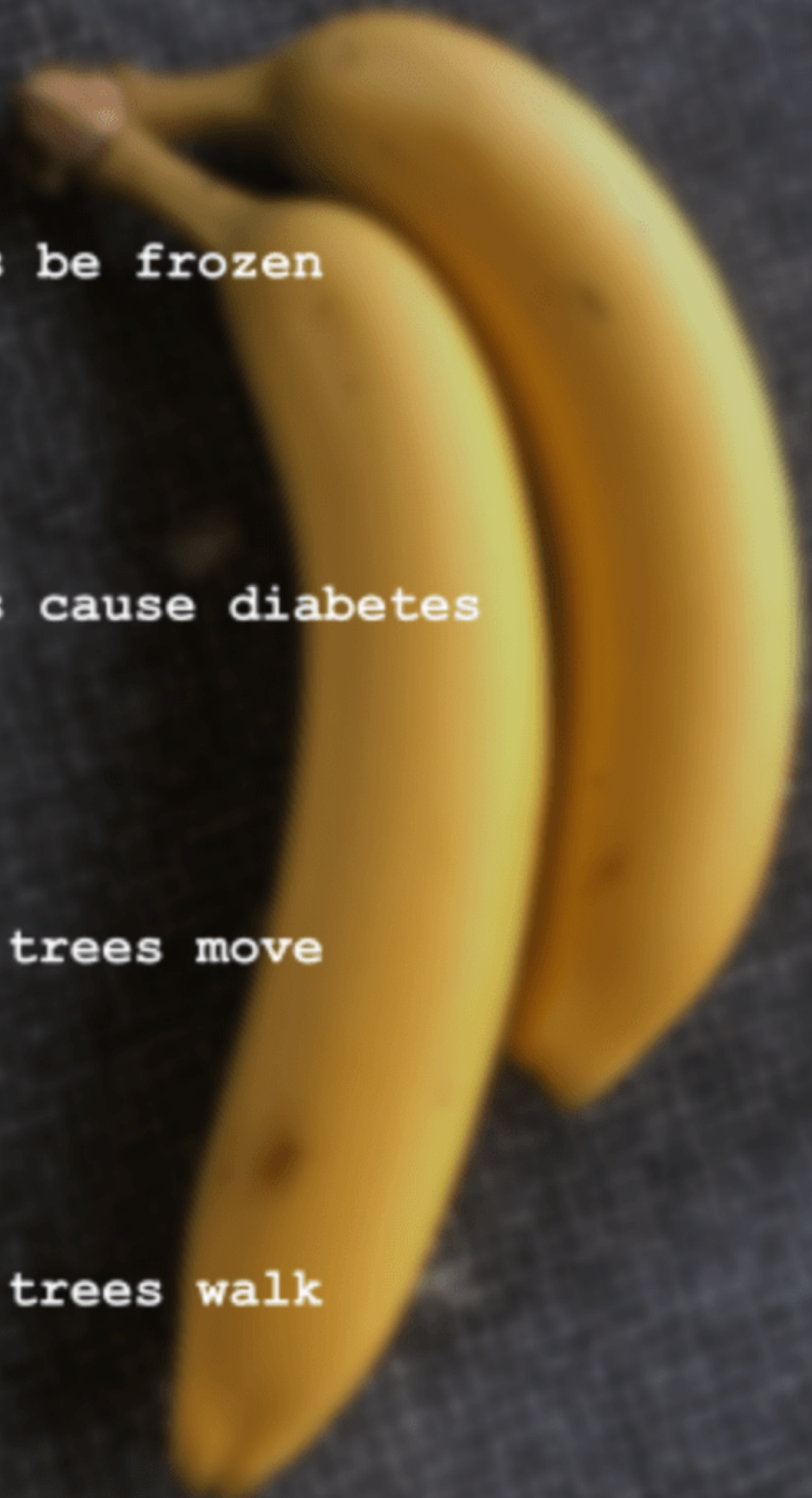
can bananas kill you

can bananas be frozen

can bananas cause diabetes

can banana trees move

can banana trees walk





is my fur coat real

is my fur coat worth anything

is my fur coat mink

is my coat fur

why is my fur coat shedding



**BOOKSBY.AI**

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50 ALPHAVAL

1 BRUSHRESOLUTION

35 BRUSHSIZE

# Andreas Refsgaard



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[twitter.com/andreasref](https://twitter.com/andreasref)  
[instagram.com/andreasref](https://www.instagram.com/andreasref)