

Now painting with layer: 1, press a key to switch

Press d to clear screen



Andreas Refsgaard

Gyldendal
London 2020

Lidt om mig



A faded, circular watermark of a man's face with a prominent mustache and dark hair is visible in the background. He has a neutral expression and is looking directly at the viewer. His eyes are light-colored, and his skin tone is visible through the grayscale watermark.

Interaktionsdesigner
+ kreativ programmør

Bachelor i Sociologi fra KU
Kandidat i Digital Design fra ITU
IDP from CIID

Min baggrund + filosofi

Kodning, kunst og kunstig intelligens

Undervisning

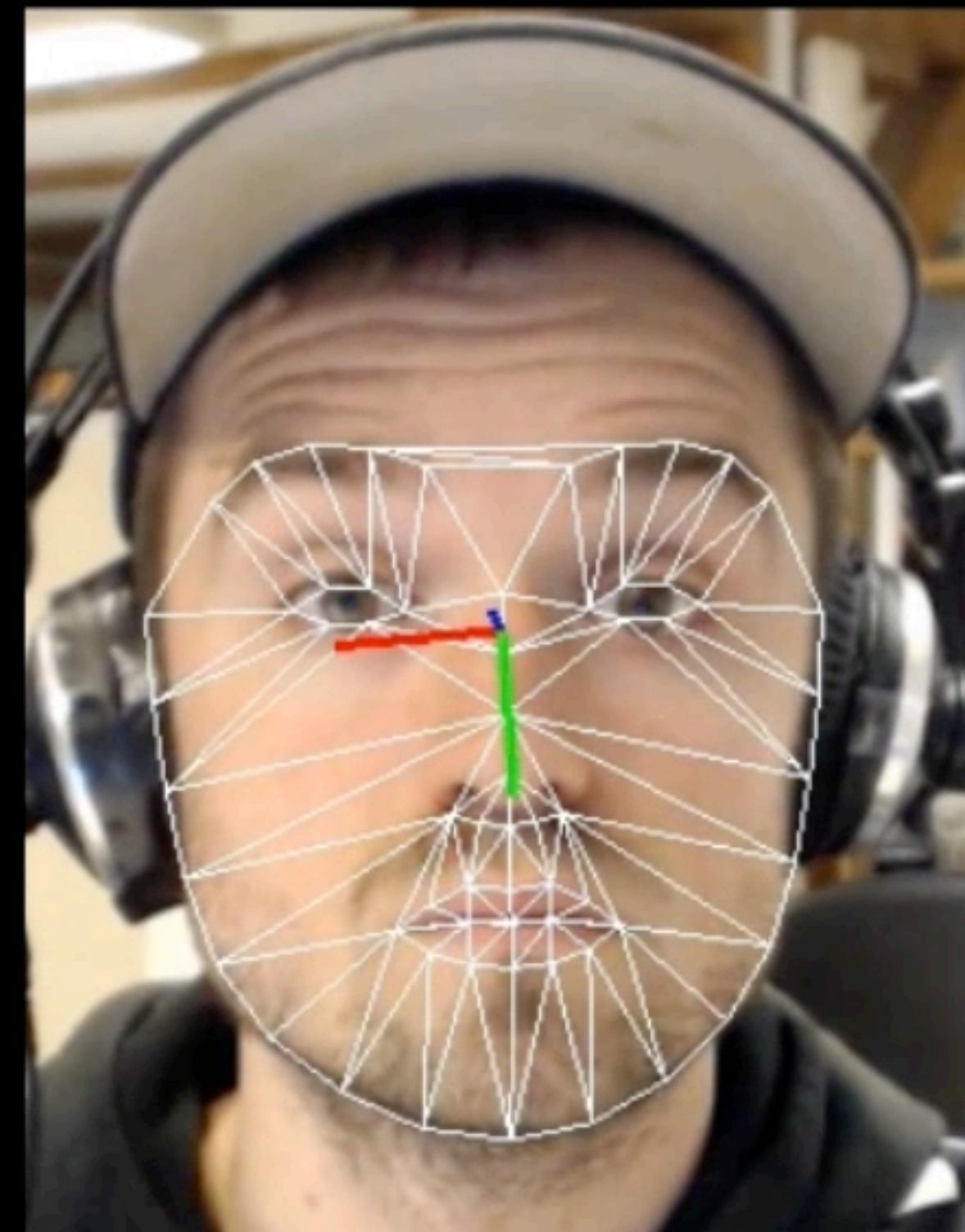
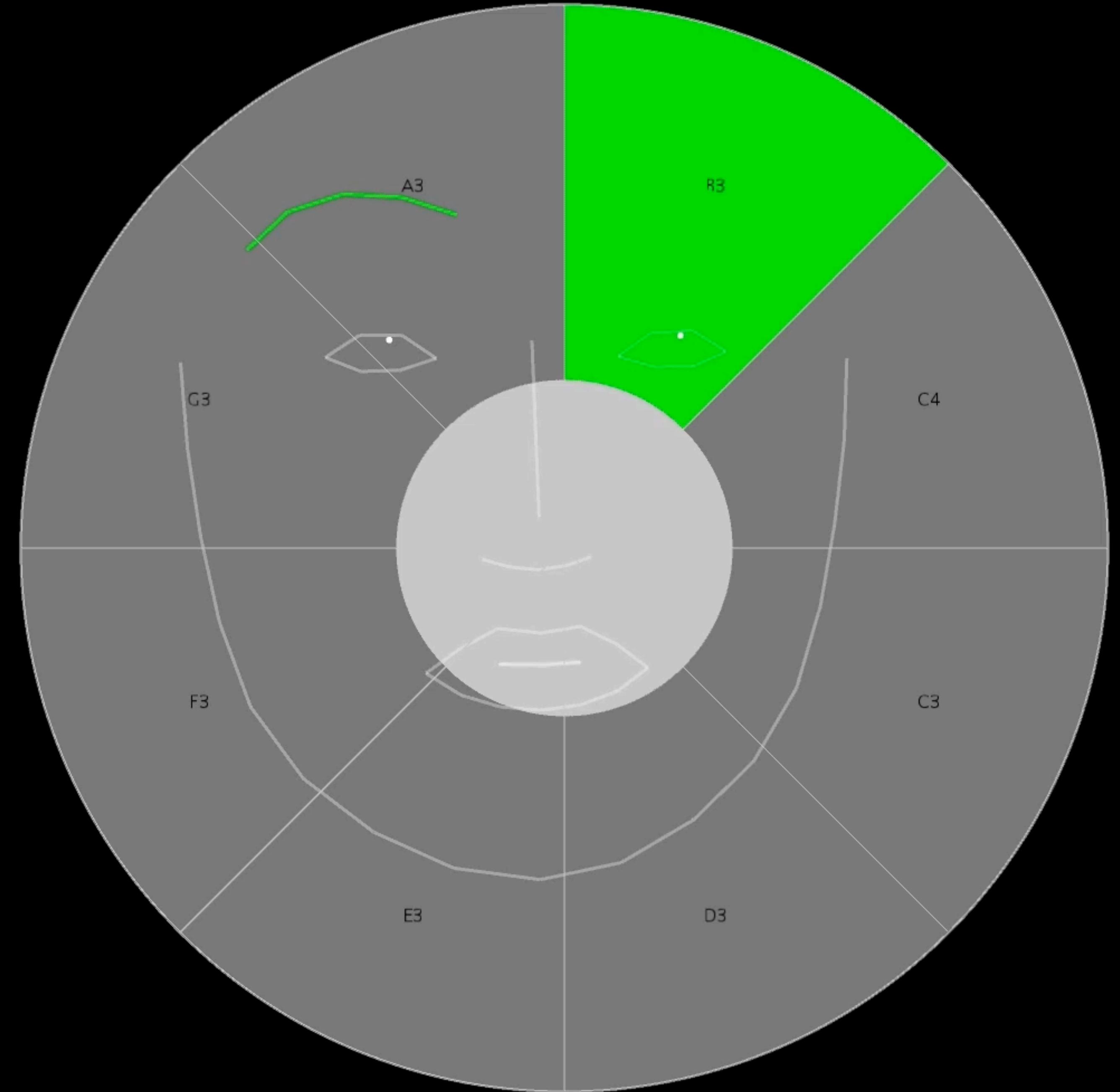
Spørgsmål

Inputs & Outputs

Waveform

A waveform is the shape
and form of a signal.

jeg bruger [x]
til at styre [y]



Då to minutter: Bemærk, at bryde forhåndeskenkomme online og tilslutte sig med en godt rustet til at bestemme på journalister olympiske mestere. I næste række er der også et par spændende på journalister olympiske mestere.

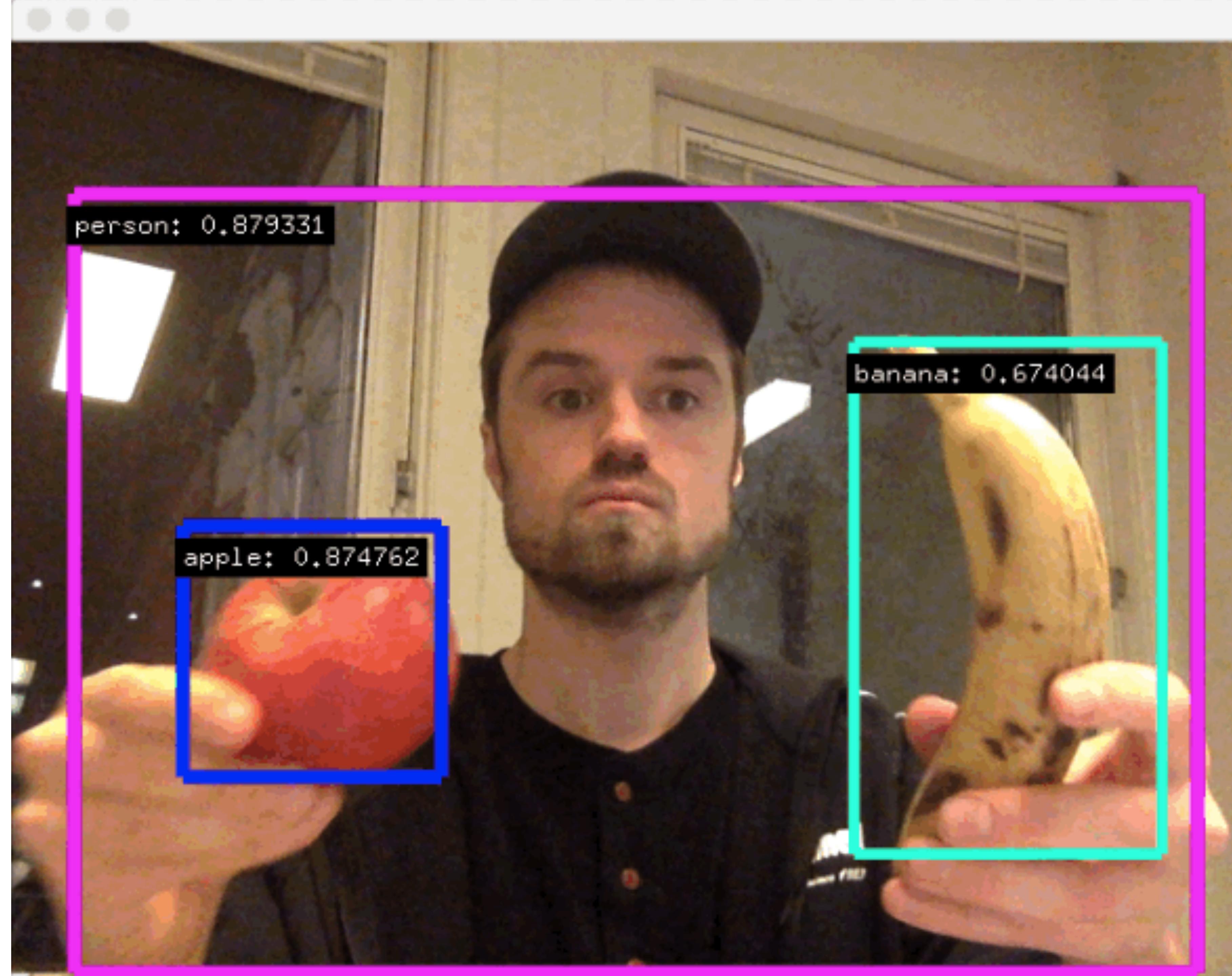
Now painting with layer: 0, press a key to switch

Press d to clear screen

50	ALPHAVAL
1	BRUSHRESOLUTION
35	BRUSHSIZE



Machine Learning



Machine Learning



Wekinator File View Actions

17 73% Mon 20:46

New Project

OSC In OSC Out

Values Examples Configure

randomize

Models

outputs-1 1 66

Edit Status

Stop Recording

Train

Run

Delete last recording

Re-add last recording

Status: New examples recorded

Stop Recording

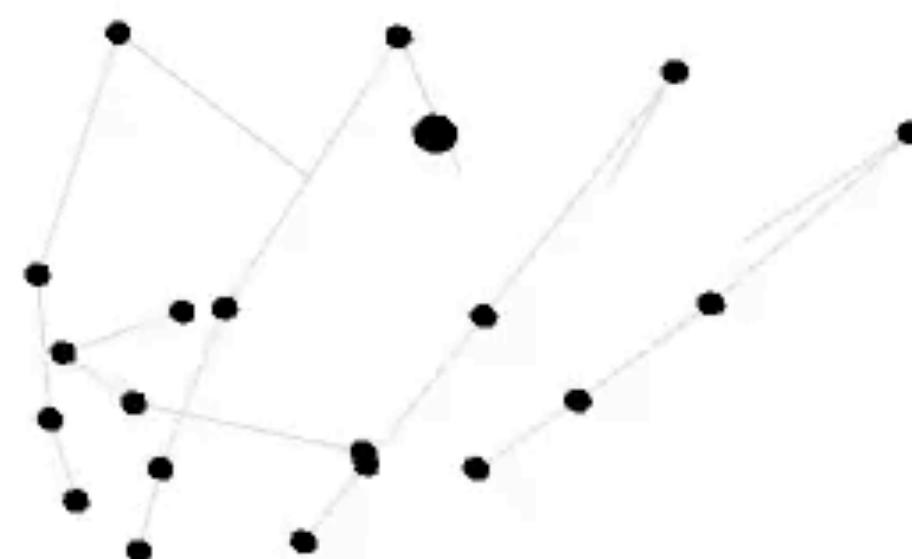
Train

Run

Delete last recording

Re-add last recording

Status: New examples recorded



Supervised Machine Learning

Byg prototyper (næsten) uden kode

Lad brugerne definere interaktionerne

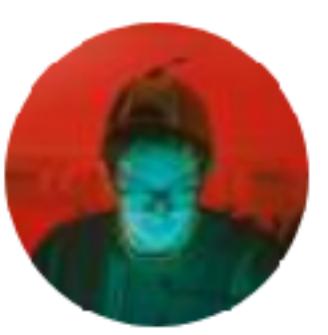
Brug komplekse inputs (video, lyd, tekst)



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

 Let's Go!

or [skip the tutorial](#)



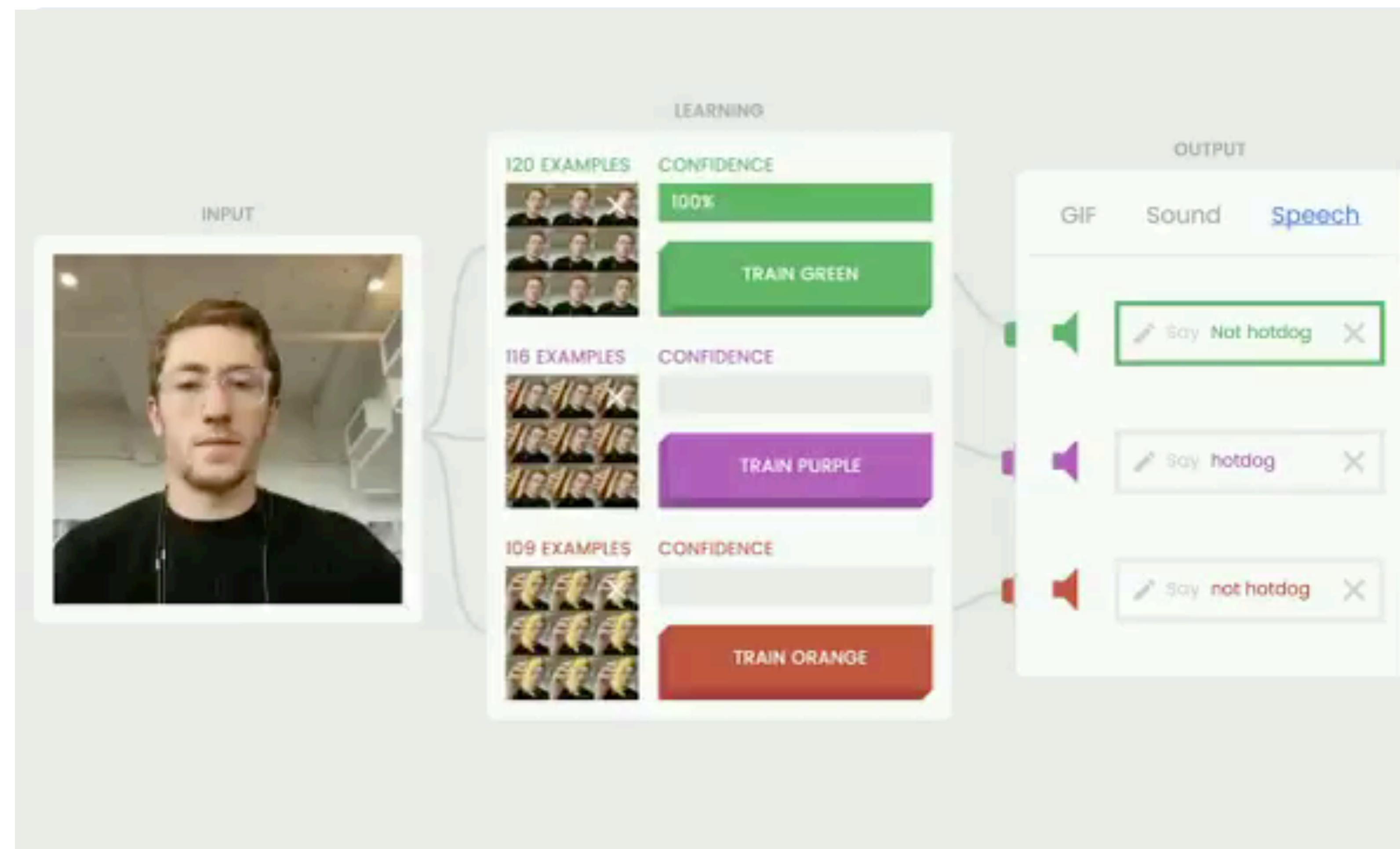
Barron

@WarronBebster

Follow

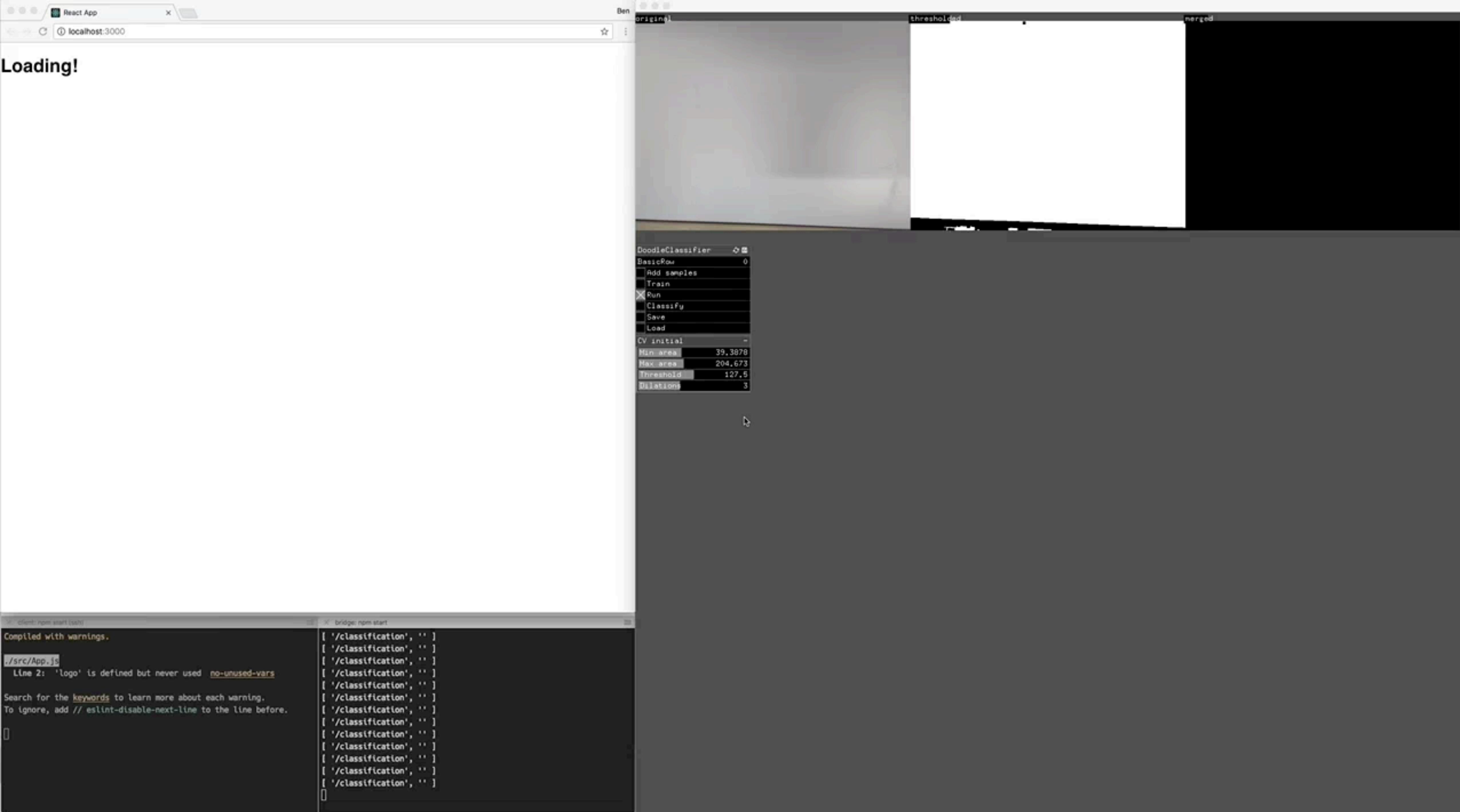


I used **#teachablemachine** to make
@siliconhbo's Not Hotdog app:









IS IT FUNKY?



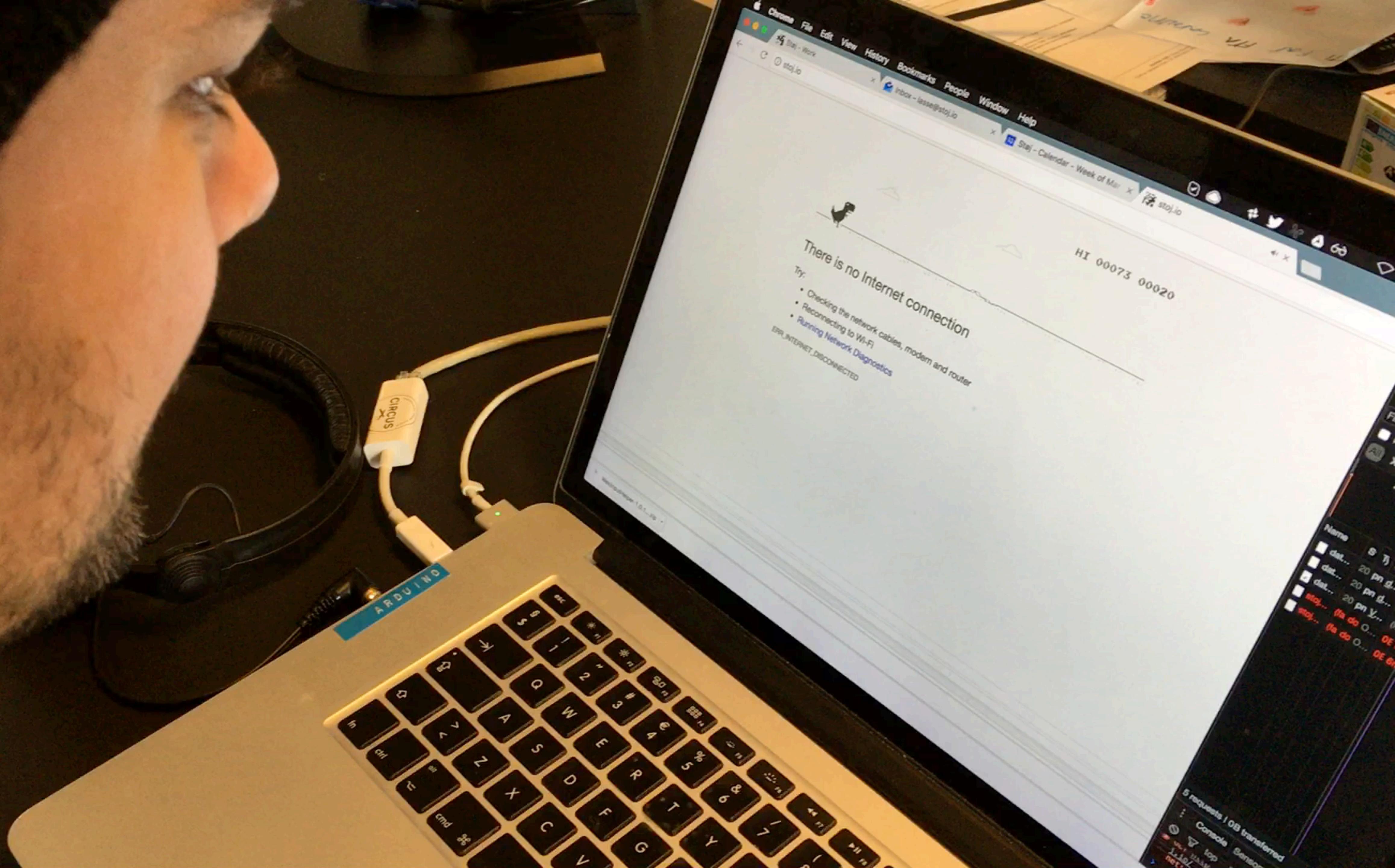
Prince

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



FUNK SCORE: 10

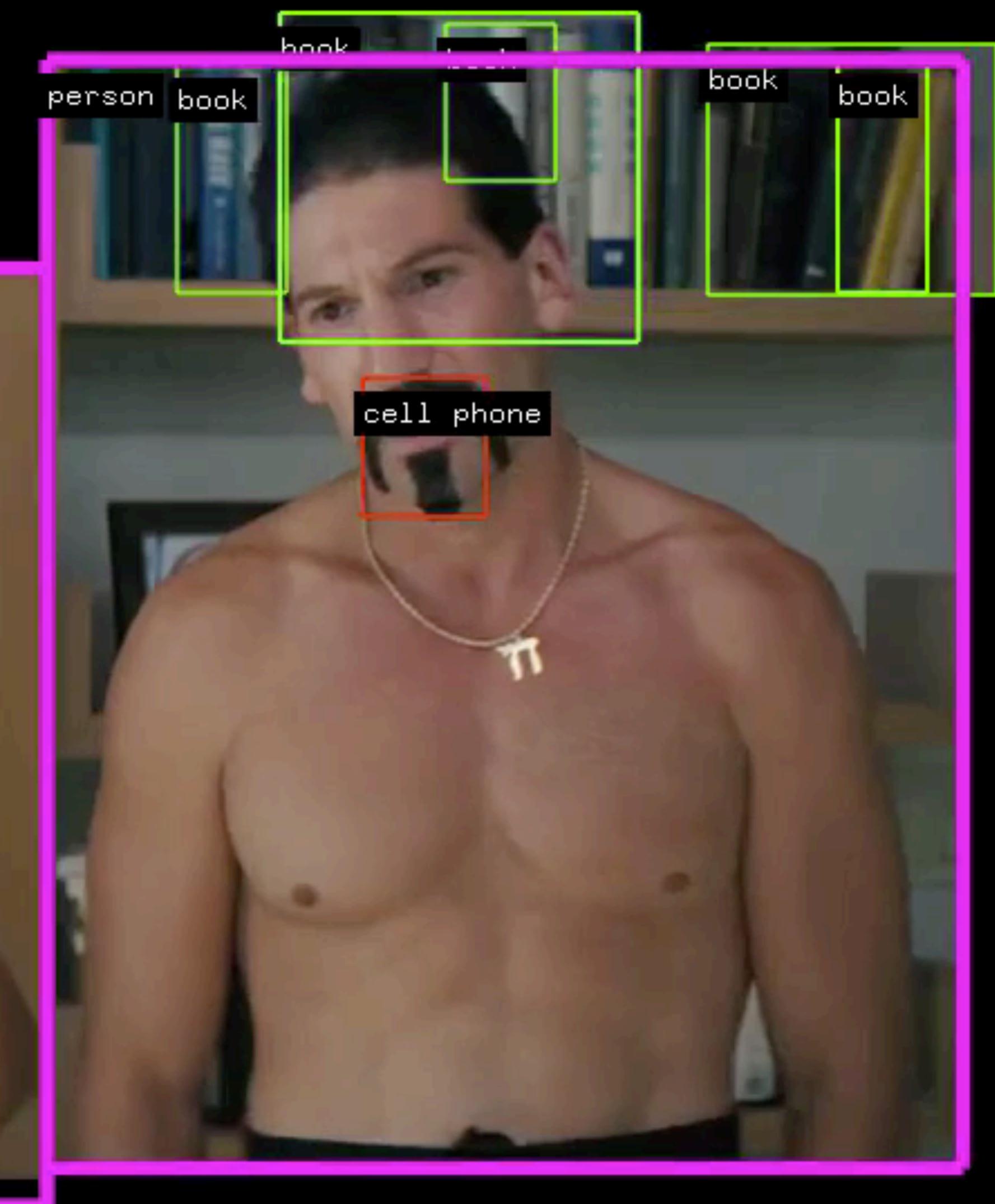
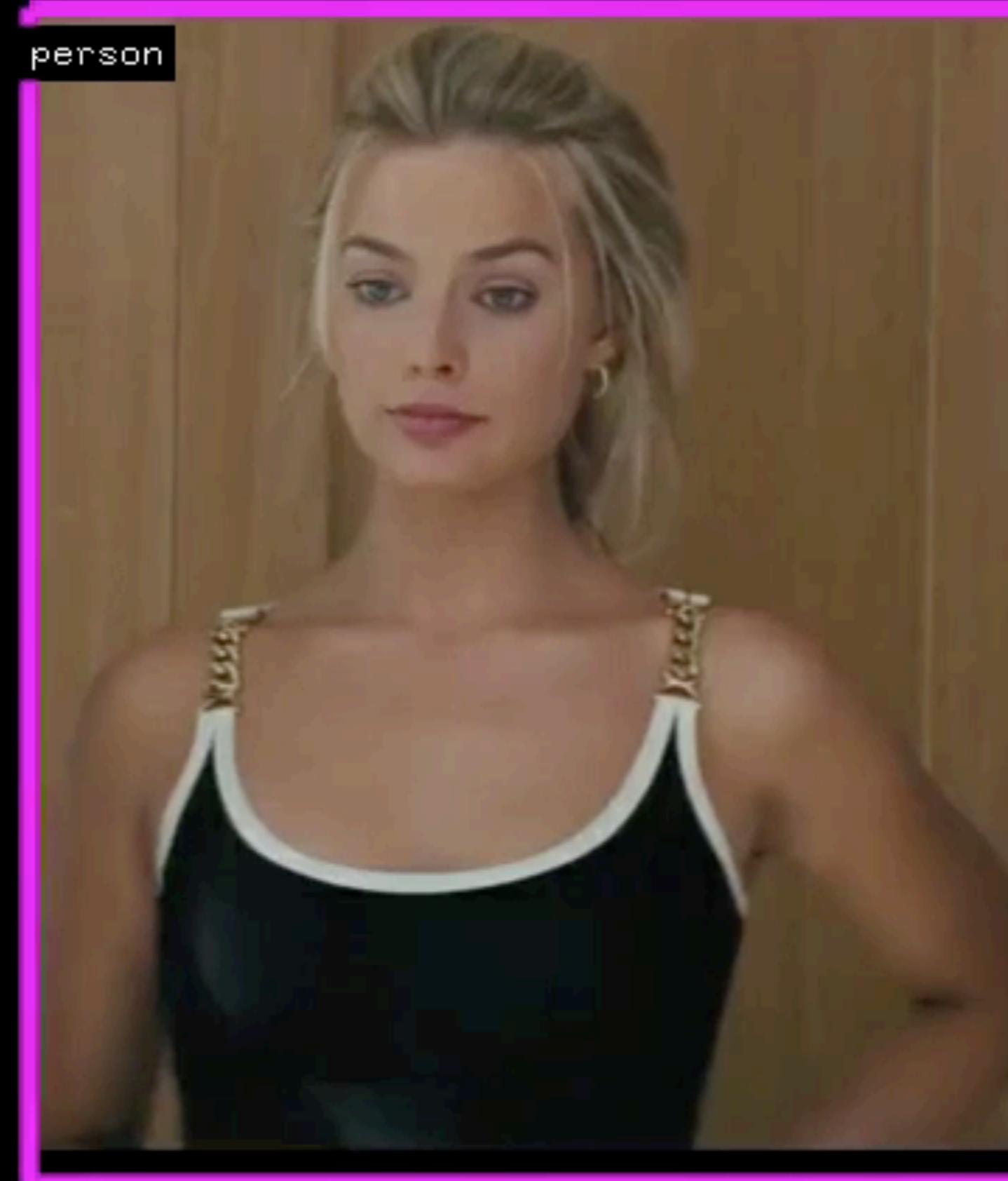


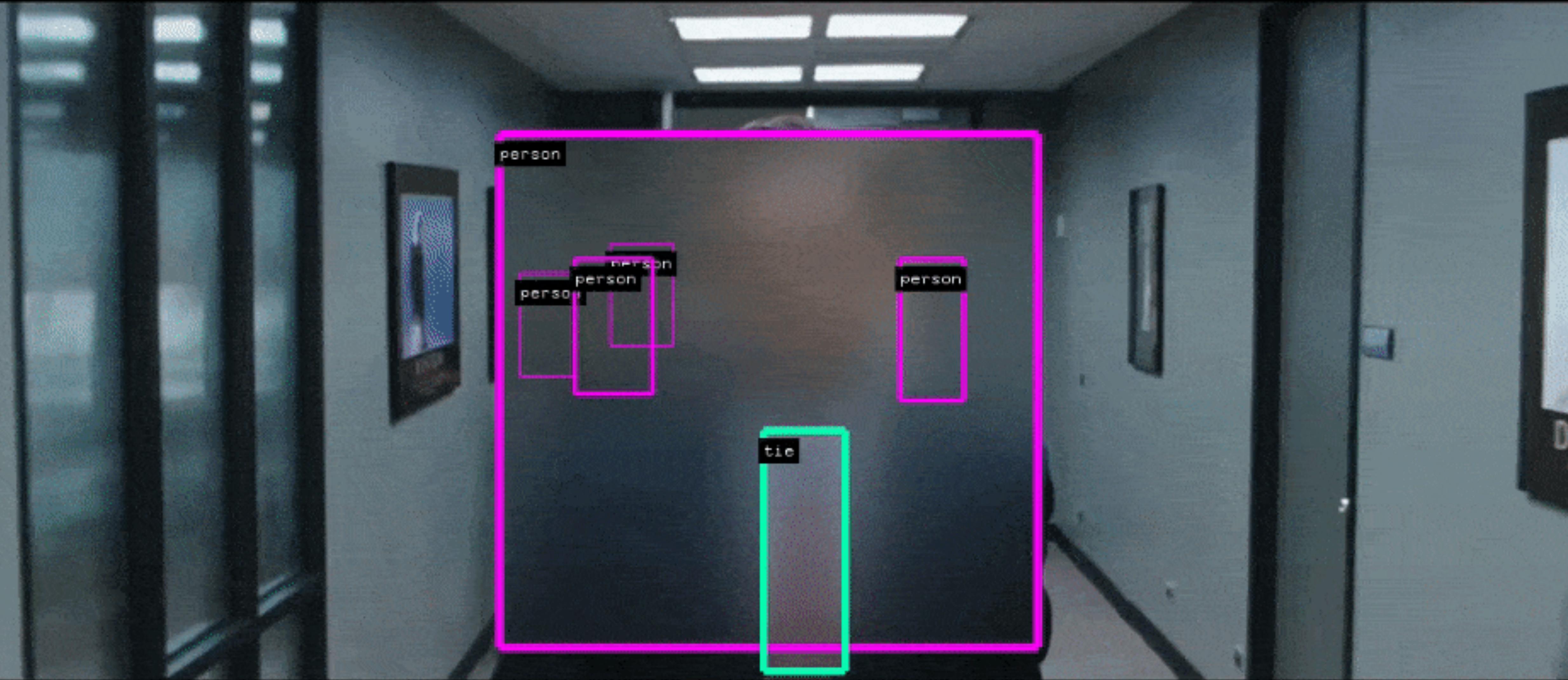
Sound controlled
Wolfenstein

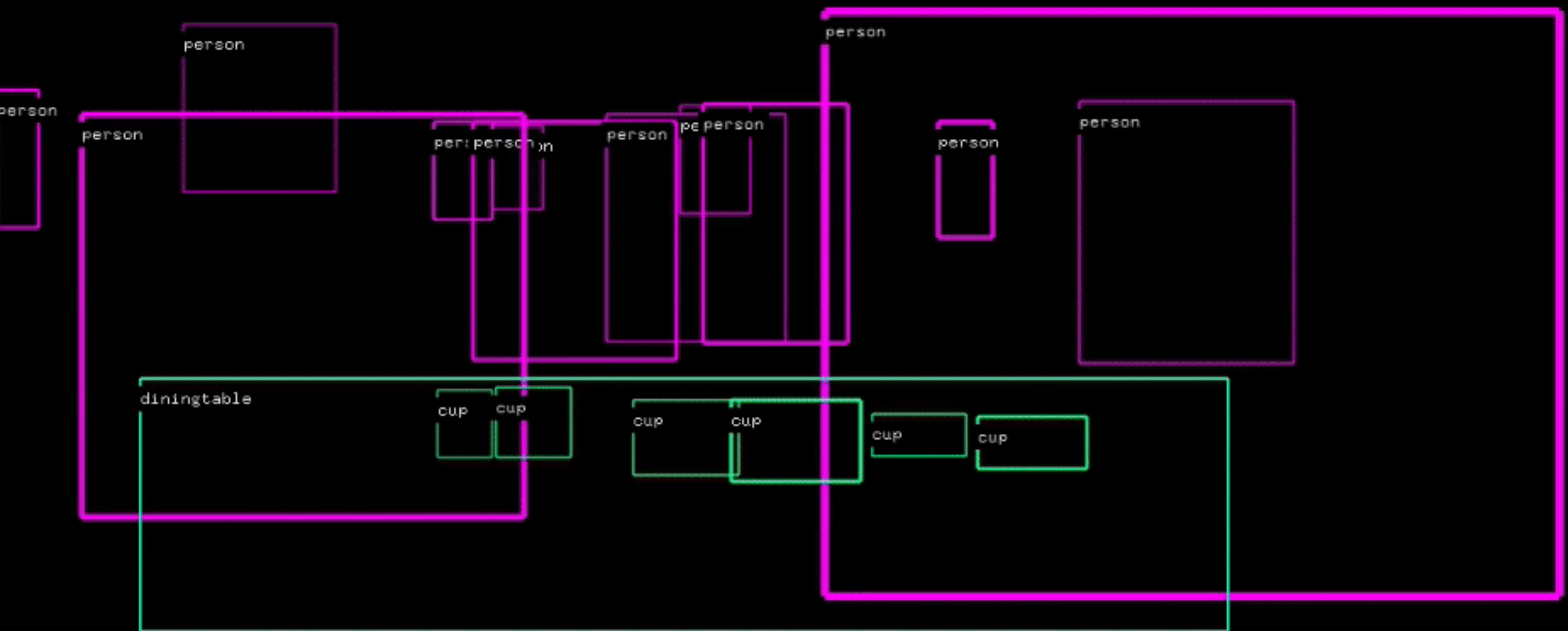


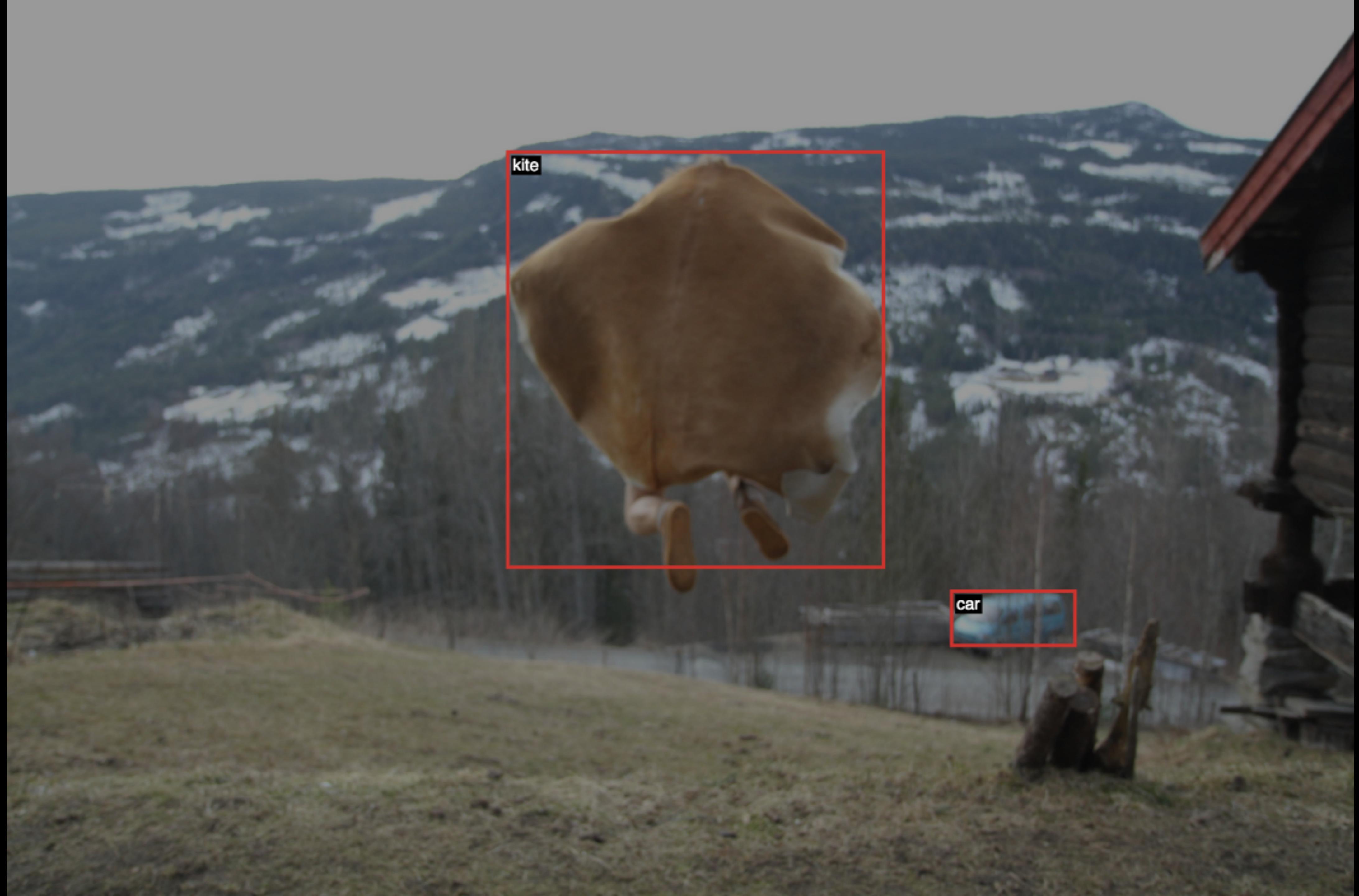
SOUND CONTROLLED INTERGALACTIC TEDDY













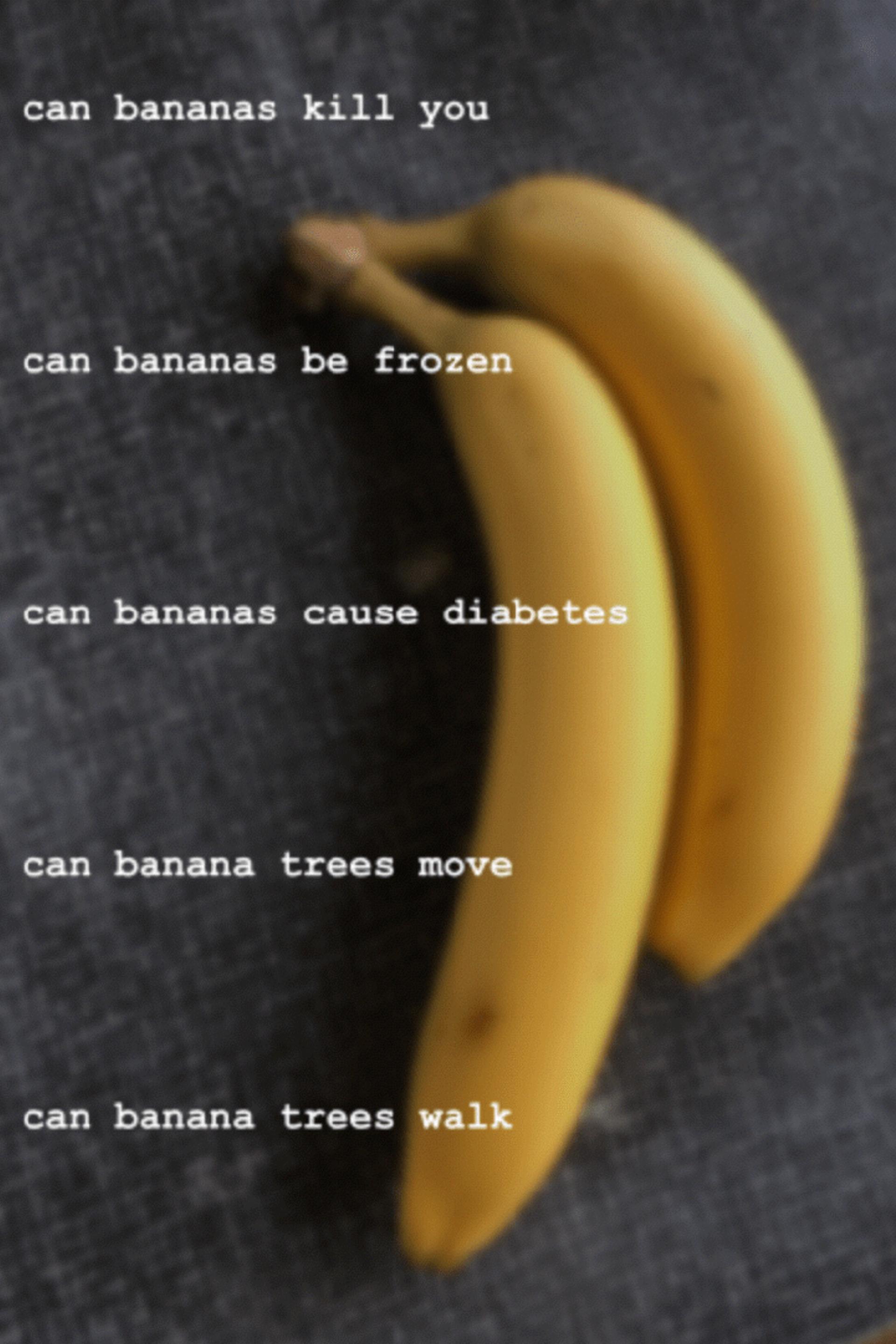
giraffe

toilet



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



A close-up photograph of two ripe bananas against a dark background. The bananas are curved and have a bright yellow color with some green at the stems. They are positioned diagonally across the frame.

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

The story of the toilet

In a land far far away once lived a toilet. One day, a servant came to help clean it. Before he could start, the whole thing sprang up into a dragon! He returned home at once. A year later, he was summoned back to the same place, where he found it was still a toilet but more powerful. He found it that too much waste in the toilet caused an explosion, killing the whole thing.

Input image



Yolo3 classes: toilet

The objects detected by the algorithm are used to create the title and beginning of the story. The rest of the story is created by XLNet.

Built using Yolo3, GPT-2, RunwayML and images from cocodataset.org

The story of the keyboard, the tvmonitor and the person

In a land far far away once lived a keyboard, a tvmonitor and a person. The story began when a sick man went to his friend in another country to ask for a pill. A fortune-teller gave the sick man a heart transplant, but the man was skeptical of the choice and turned down the advice. A more rational friend arrived and gave the man a pharmaceutical pill called "the tvmonitor". The man took it with him, who has since been cured and has gone on to become a successful TV personality.

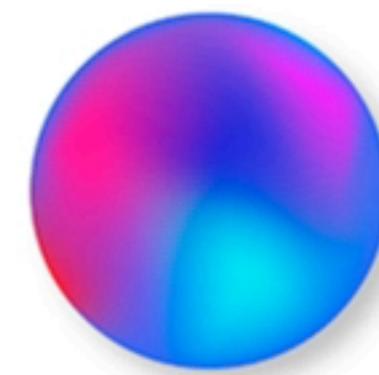
Input image



Yolo3 classes: keyboard person tvmonitor

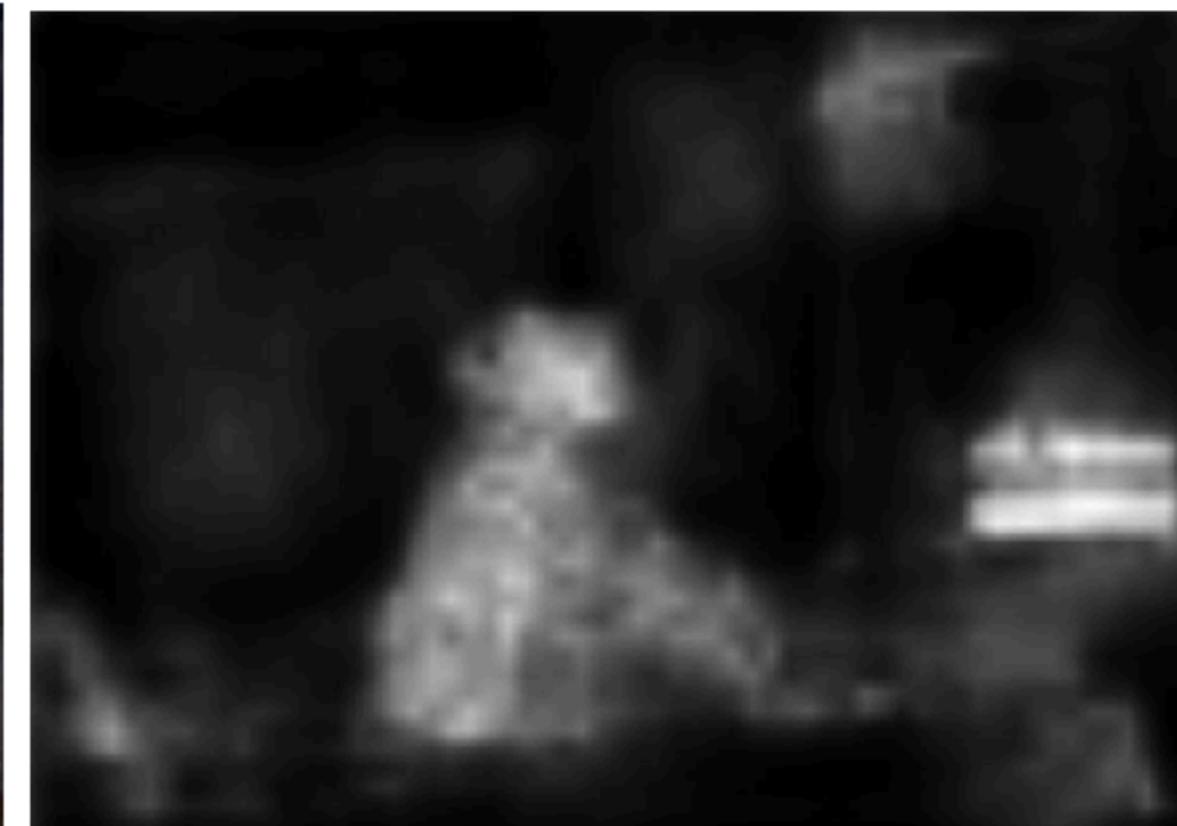
The objects detected by the algorithm are used to create the title and beginning of the story. The rest of the story is created by XLNet.

Built using Yolo3, GPT-2, RunwayML and images from cocodataset.org

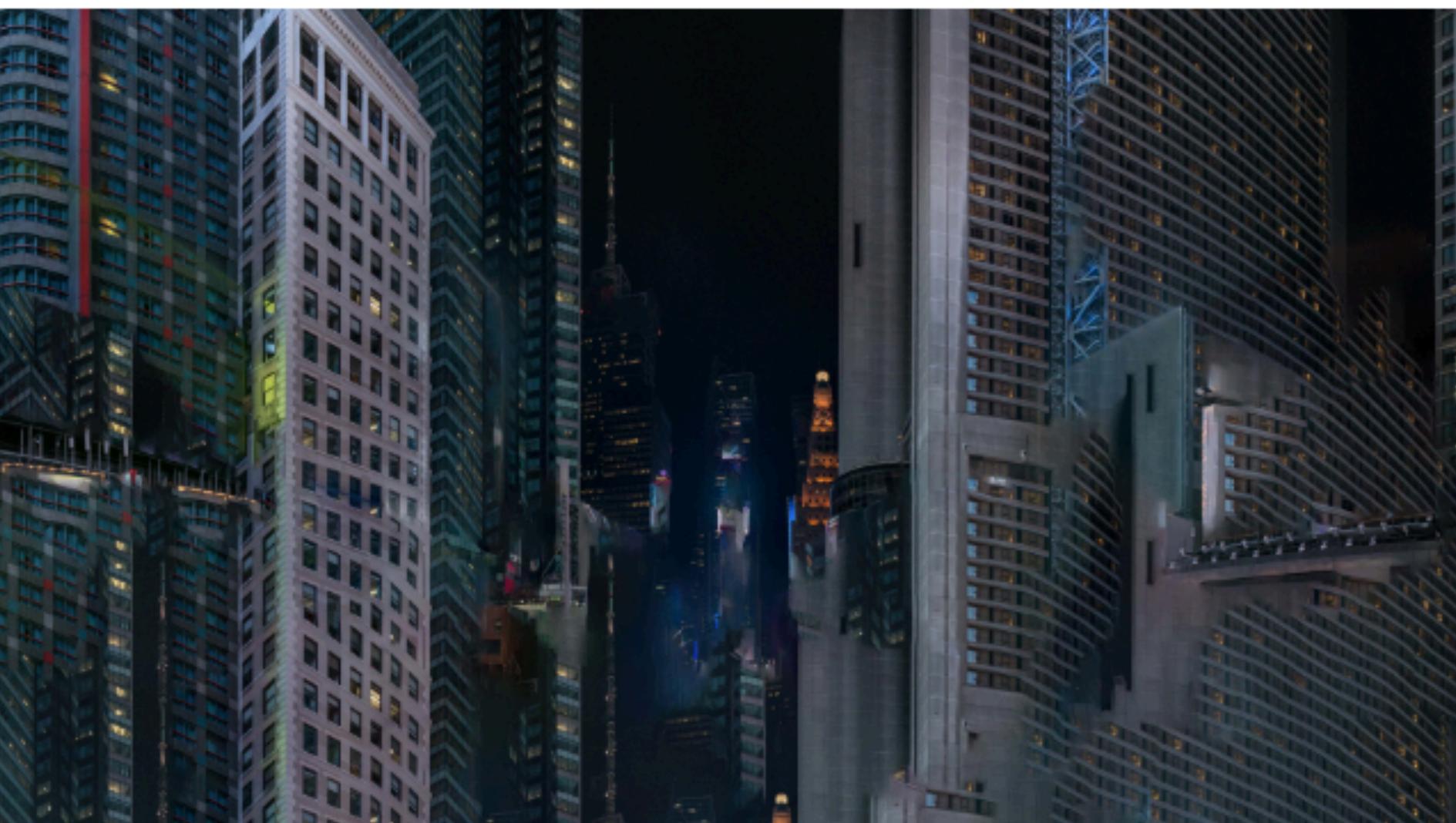
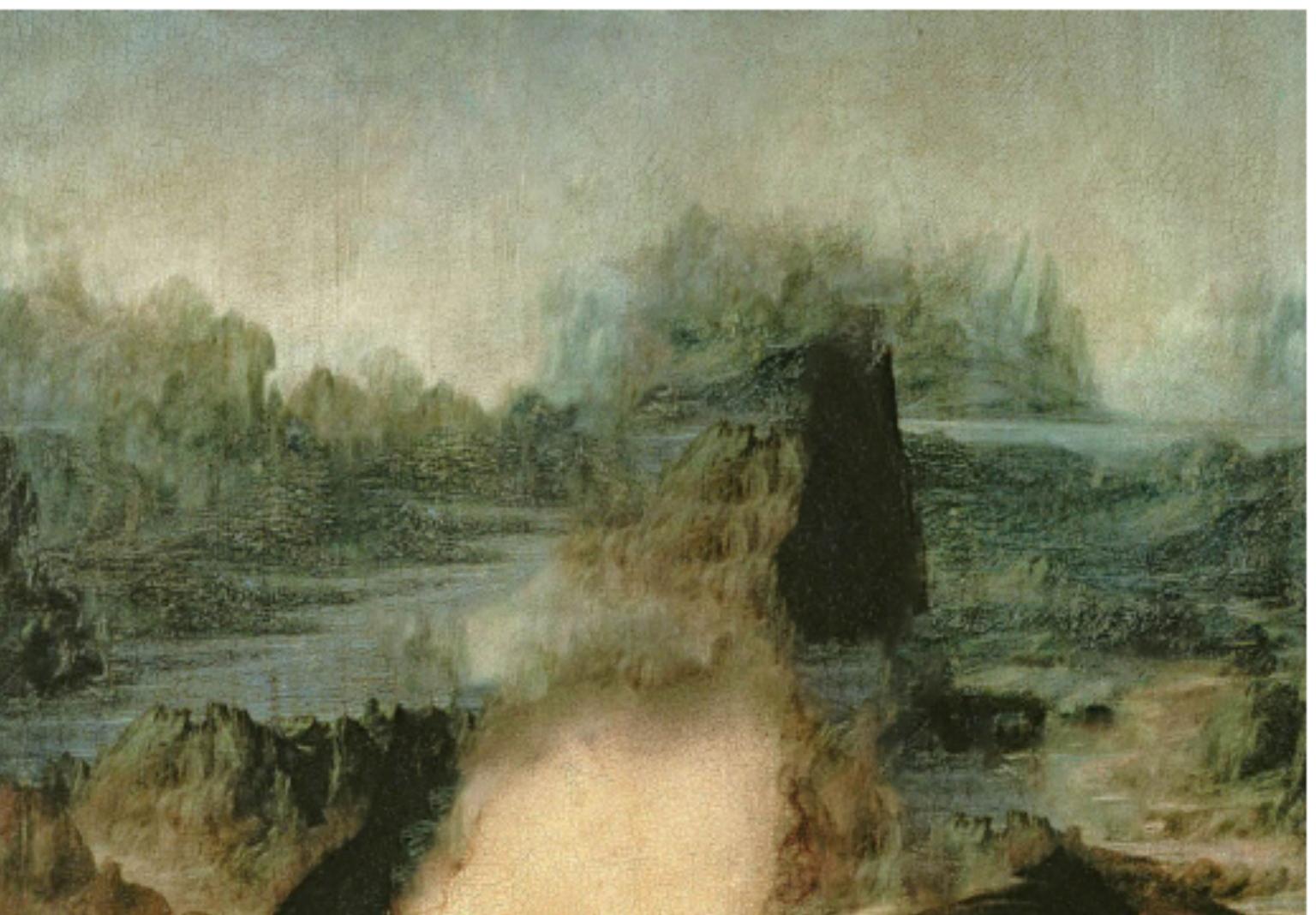


BOOKSBY.AI

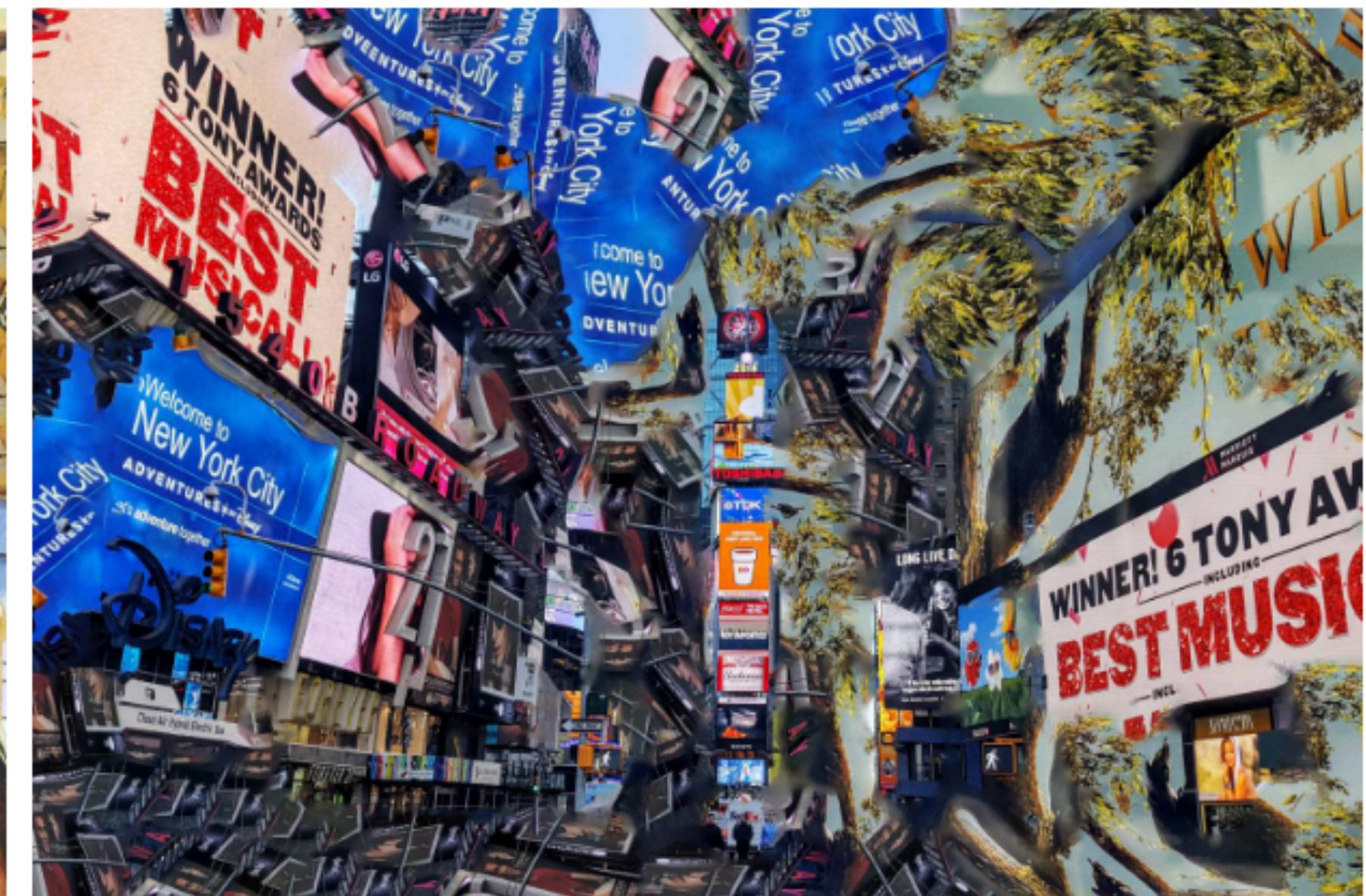
Erasing/Enhancing Essentials



Erasing



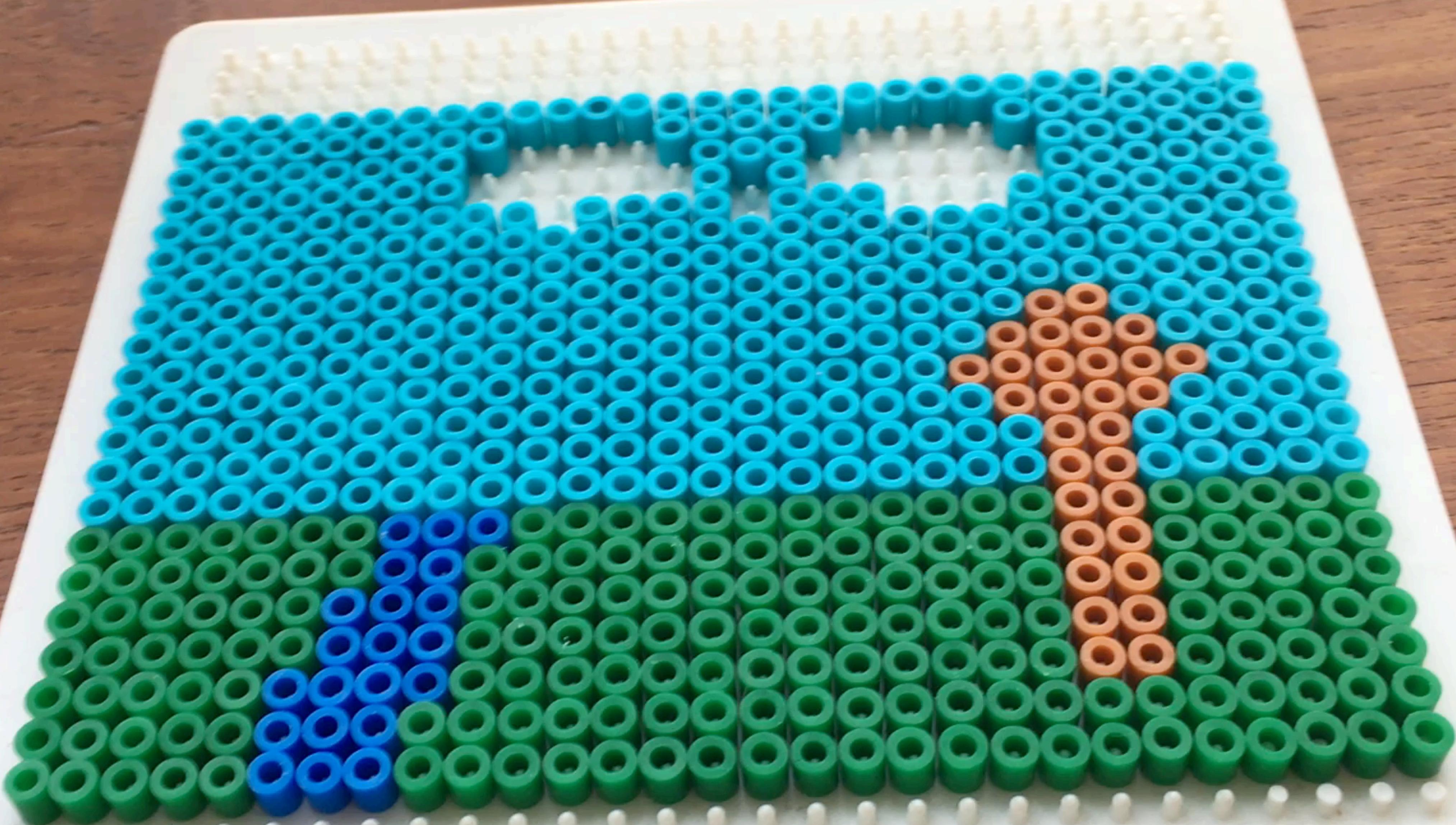
Enhancing



Perler beads to landscapes









matchesReversed

Workshops



lagttigelser



Fokus på det kreative og æstetiske appelerer mere til
kvinder end til mænd

Det svære er ikke altid syntaks, men at komme igang



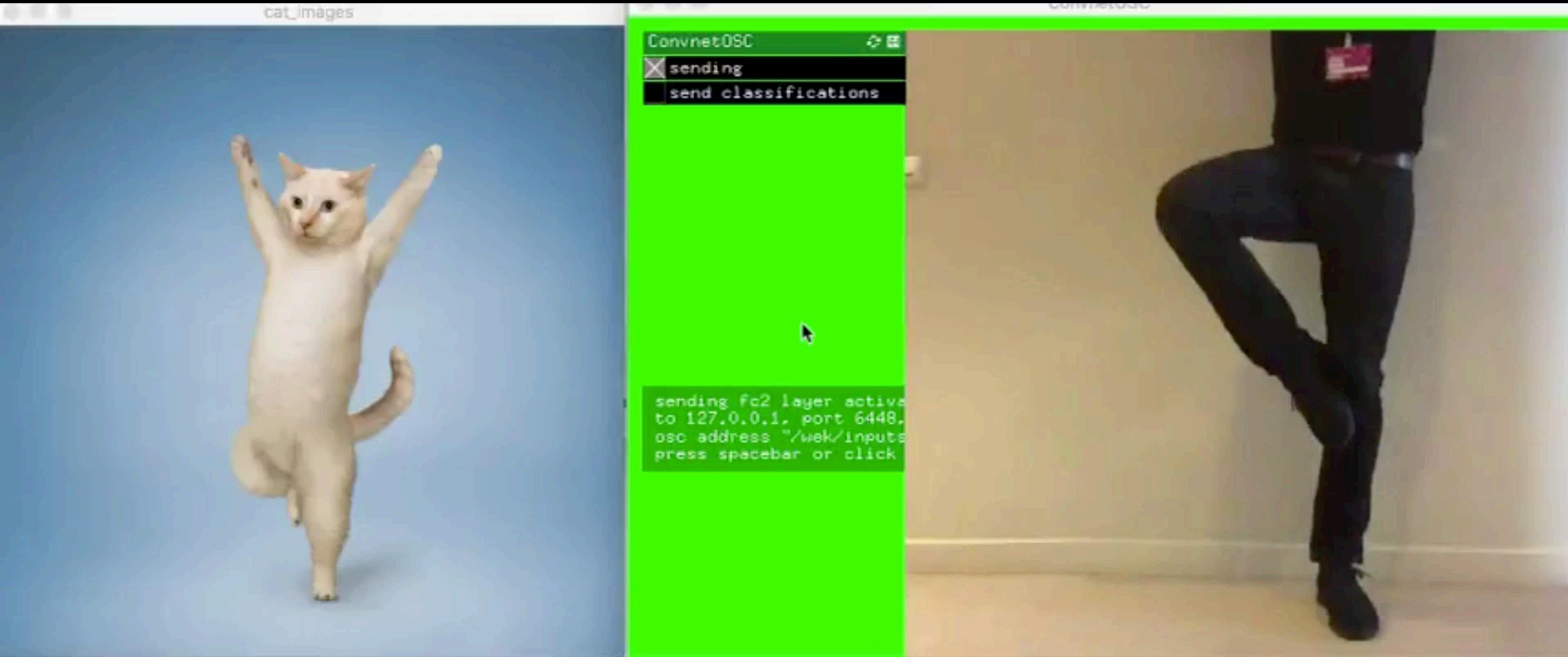
Mange lærer bedst programmering visuelt

MAL_MED_KODNING

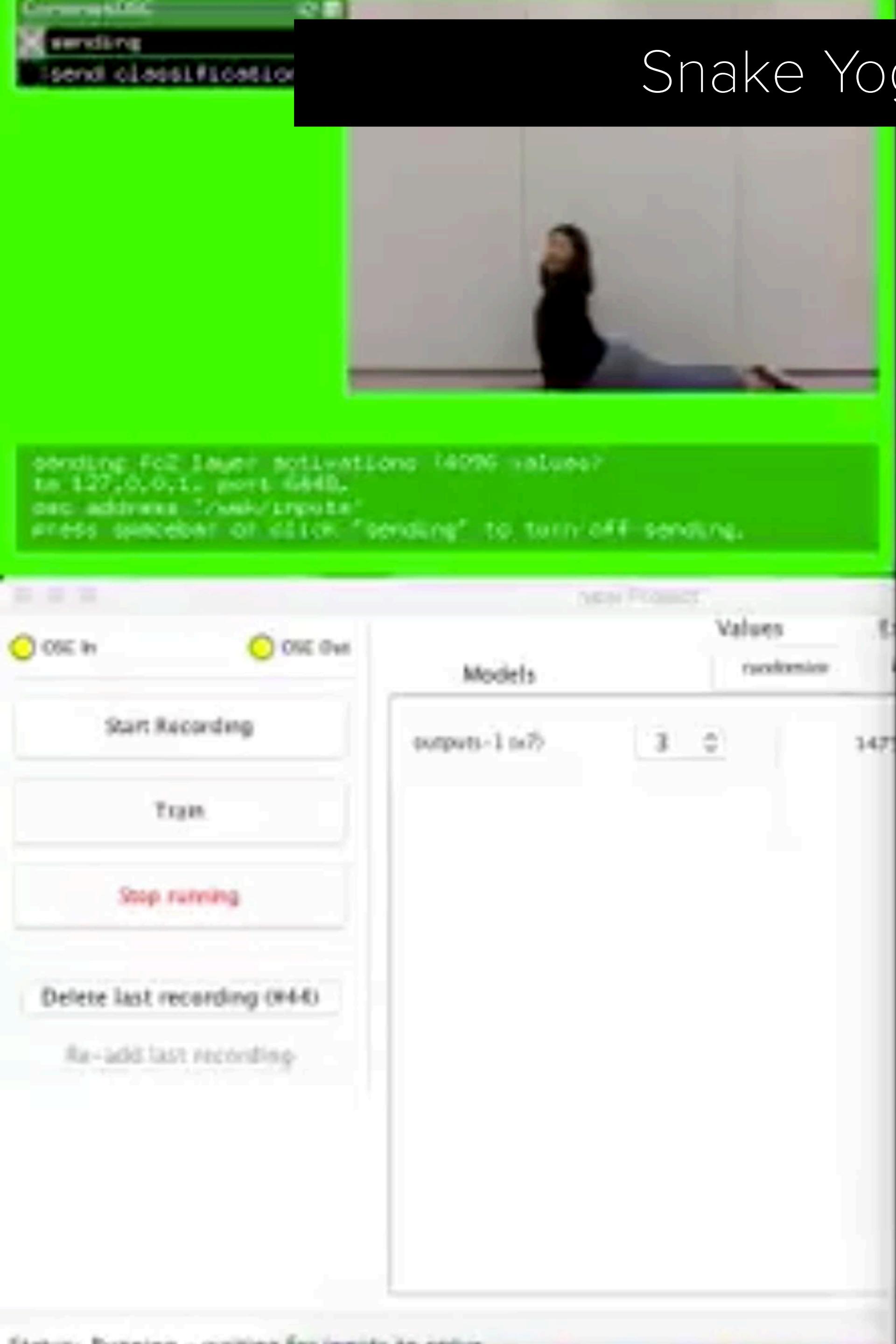
Brugerskabte værker fra
workshops 26/11 & 7/1

<http://absaloncph.dk/>
<http://stoj.io/>

Cat Yoga: Webcam + Machine Learning



Snake Yoga: Webcam + Machine Learning



Position 2 / RIGHT



Classifier: Microphone + Machine Learning



Kolam: Webcam + Machine Learning + Music software

ConvnetOSC
X sending
send classifications



```
sending fc2 layer activations (4096 values)
to 127.0.0.1, port 6448,
osc address "/wekinator"
press spacebar or click 'sending' to turn off sending.
```

Start Recording

Train

Stop running

Delete last recording (#32)

Re-add last recording

split-1 (v9)

0.3626

143

split-2 (v9)

0.69767

133

split-3 (v9)

-1.54729

159

Status: Running - waiting for inputs to arrive

sand [sand]

Link EXT TAP 133.35 IIII 4 / 4 None 545 . 4 . 1 NEW

Search (Cr)

CATEGORIES

- Sounds
- Drums
- Instruments
- Audio Effect
- MIDI Effects
- Max for Live
- Plug-ins
- Clips
- Samples

1 Audio 2 Audio 3 Audio 4 Audio A Reverb B Delay Master

01 Music for 18	10 Pearl XXIV	01 Noon Hill Wo				1
						2
	10 Pearl XXIV					3
						4
						5

3 695+ 7 315+ 3 848+ |

Audio From Ext. In Ext. In Ext. In

1/2 1/2 2 Monitor Monitor Monitor

In Auto Off In Auto Off In Auto Off

AbletonOSC

Osc In

8002 /wekinator/split Active

Output parameters

1-Audio: Sync	1.25
1-Audio: Feedback	1.91
2-Audio: Frequency	97.54
3-Audio: Frequency	116.97
Master: Dry/Wet	0.31

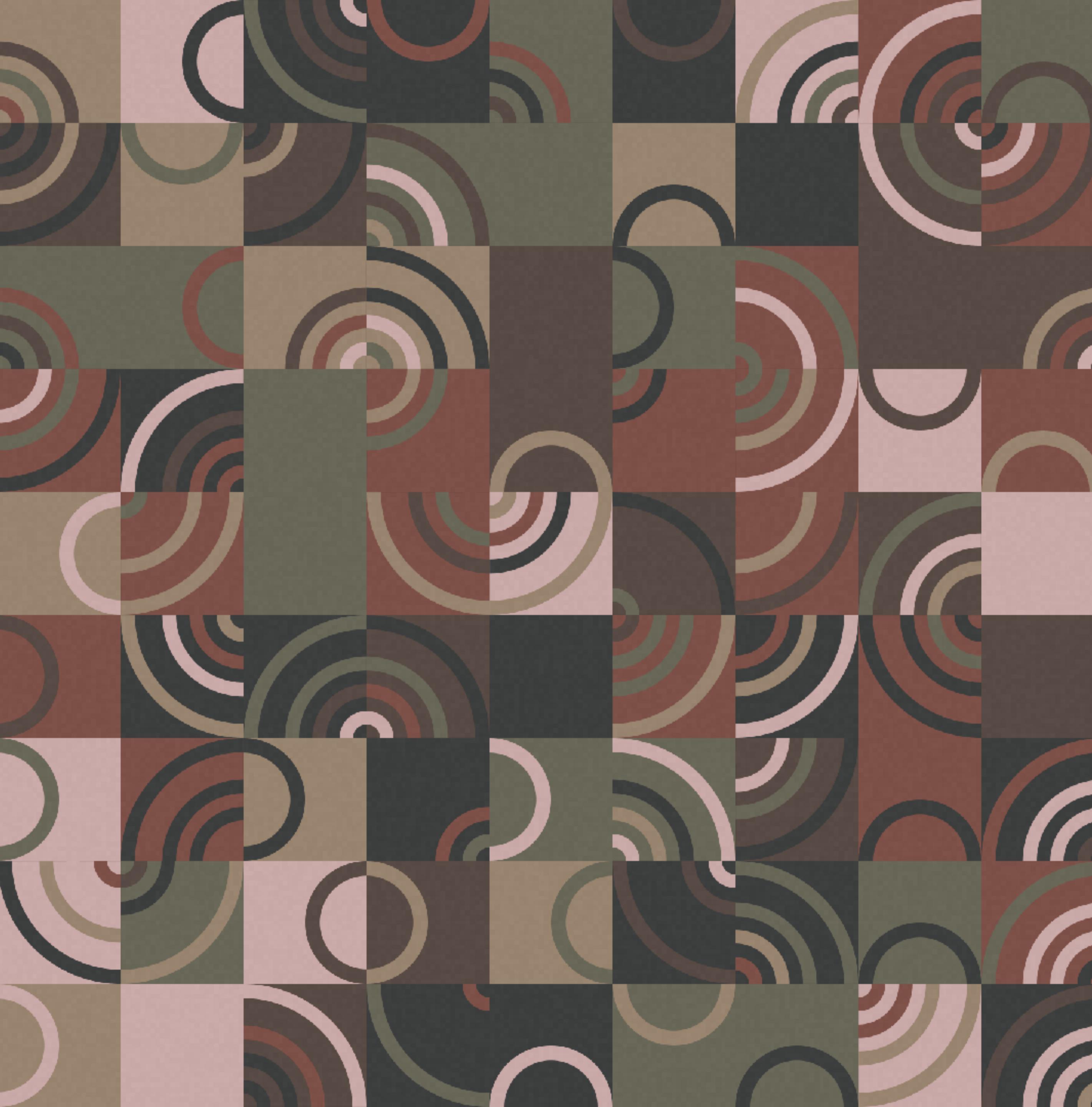
Ableton

Playback

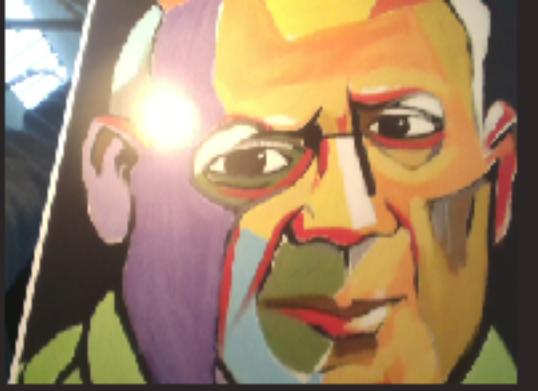
View Tr



instagram.com/villadsbirch/



instagram.com/villadsbirch/



instagram.com/villadsbirch/

Objectifier: Webcam + Machine Learning + Arduino



ml5js.org

Friendly Machine Learning for the Web.

ml5.js aims to make machine learning approachable for a broad audience of artists, creative coders, and students. The library provides access to machine learning algorithms and models in the browser, building on top of [TensorFlow.js](#) with no other external dependencies.

The library is supported by code examples, tutorials, and sample datasets with an emphasis on ethical computing. Bias in data, stereotypical harms, and responsible crowdsourcing are part of the documentation around data collection and usage.

[Get Started](#)[Upload Image](#)or drag and drop 

The MobileNet model labeled this  as a robin, American robin, *Turdus migratorius* with a confidence of 100.00%.

runwayml.com

Runway Edit View Window Help

Beta V.0.6.5 | ☰

Workspace

Recently Used

- runway/SPADE-COCO
- genekogan/SPADE-Landscapes
- runway/StyleGAN
- runway/Visual-Importance
- runway/MaskRCNN

Your Models

You haven't created any models.

Staff Picks – Featured

runway/Face-Recognition

Recognize and manipulate faces from with the world's simplest face recognition library.

#Recognition #Detection #DLib

View Model

genekogan/DenseCap

Dense captioning with joint inference and visual context.

#Image Captioning #Dense Captioning #Visual Context

View Model

runway/StyleGAN

A Style-Based Generator Architecture for Generative Adversarial Networks.

#Image Synthesis #GAN

View Model

Sort by: Popular ▾

Search

runway/Adaptive-Style-Transfer

A Style-Aware Content Loss for Real-time HD Style Transfer.

#Style Transfer #Image Synthesis #Image Manipulation

4986 Runs Updated a month ago

runway/AttnGAN

Text to Image Generation with Attentional Generative Adversarial Networks.

#GAN #Generative #Text to Image

4862 Runs Updated 23 days ago

runway/PoseNet

Single and multi human pose estimation.

#Motion Capture #Pose Estimation #Computer Vision

4701 Runs Updated 5 months ago

Create New Model

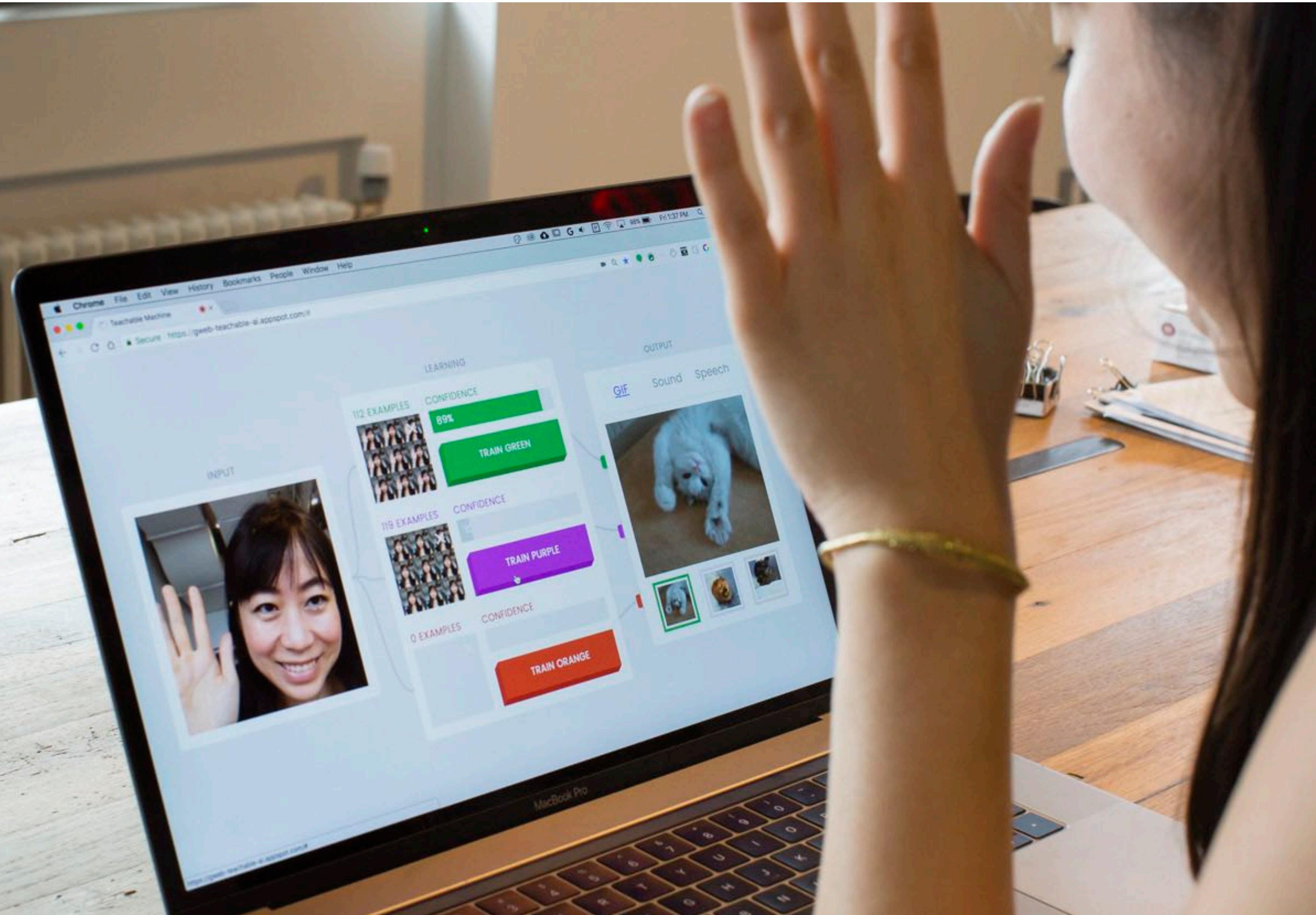
From GitHub

An

All Systems Operational Credits Available

Docker Running 0 Models Running 0 Downloads In Progress Available Space: 15 GB

teachablemachine.withgoogle.com



Now painting with layer: 1, press a key to switch

Press d to clear screen



Andreas Refsgaard

andreasrefsgaard.dk
twitter.com/andreasref
instagram.com/andreasref

Spørgsmål og debat