

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

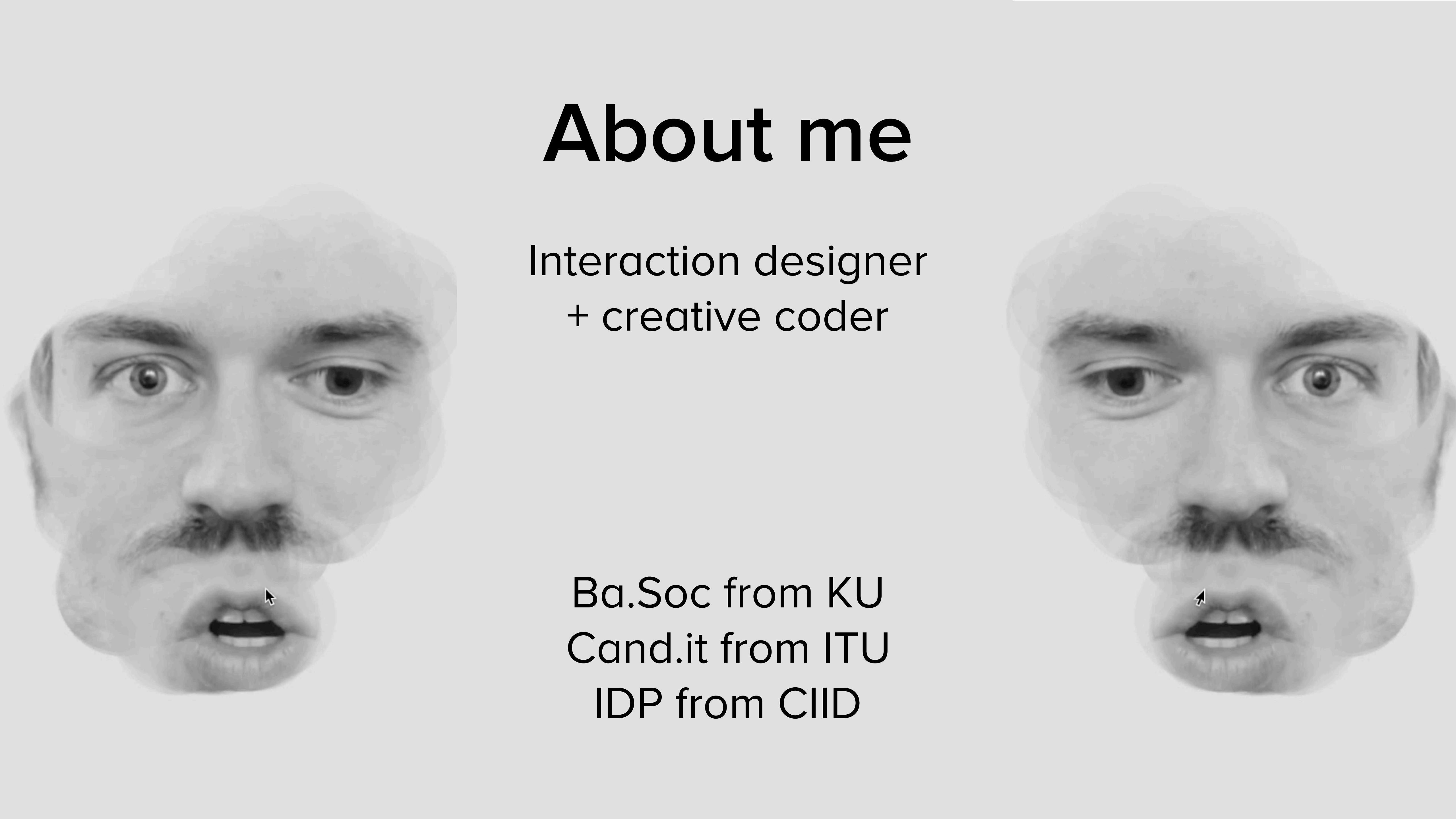
Press d to clear screen

Machine Learning Workshop



Andreas Refsgaard
Berlin Workshop 2020

About me

A faded, grayscale portrait of a man with dark hair and a well-groomed mustache. He has a neutral expression and is looking directly at the viewer. This image serves as a background for the text elements.

Interaction designer
+ creative coder

Ba.Soc from KU
Cand.it from ITU
IDP from CIID



Non Disclosure Agreement

This non disclosure agreement is entered into on [Agreement.CreatedDate] between [Owner.Name] (Owner) and [Recipient.Name] (Recipient).

The Owner acknowledges the Recipient may receive information regarding the Owner's business, practices, or other properties that may be considered confidential. Therefore, the Parties are in agreement to the following terms and conditions of this agreement:

Confidentiality

PandaTip: This NDA template requires the vendor or subcontractor to treat all information that is not publicly available to others as confidential.

For the duration of this non disclosure agreement, any information the Recipient may come into contact with that is not public knowledge and is made only available through contact with the Owner shall be deemed as confidential information.

Workshops

Freelance

Art

Talks

Introductions

My use of playful interactive machine learning

Intro to ml5js + Teachable Machine

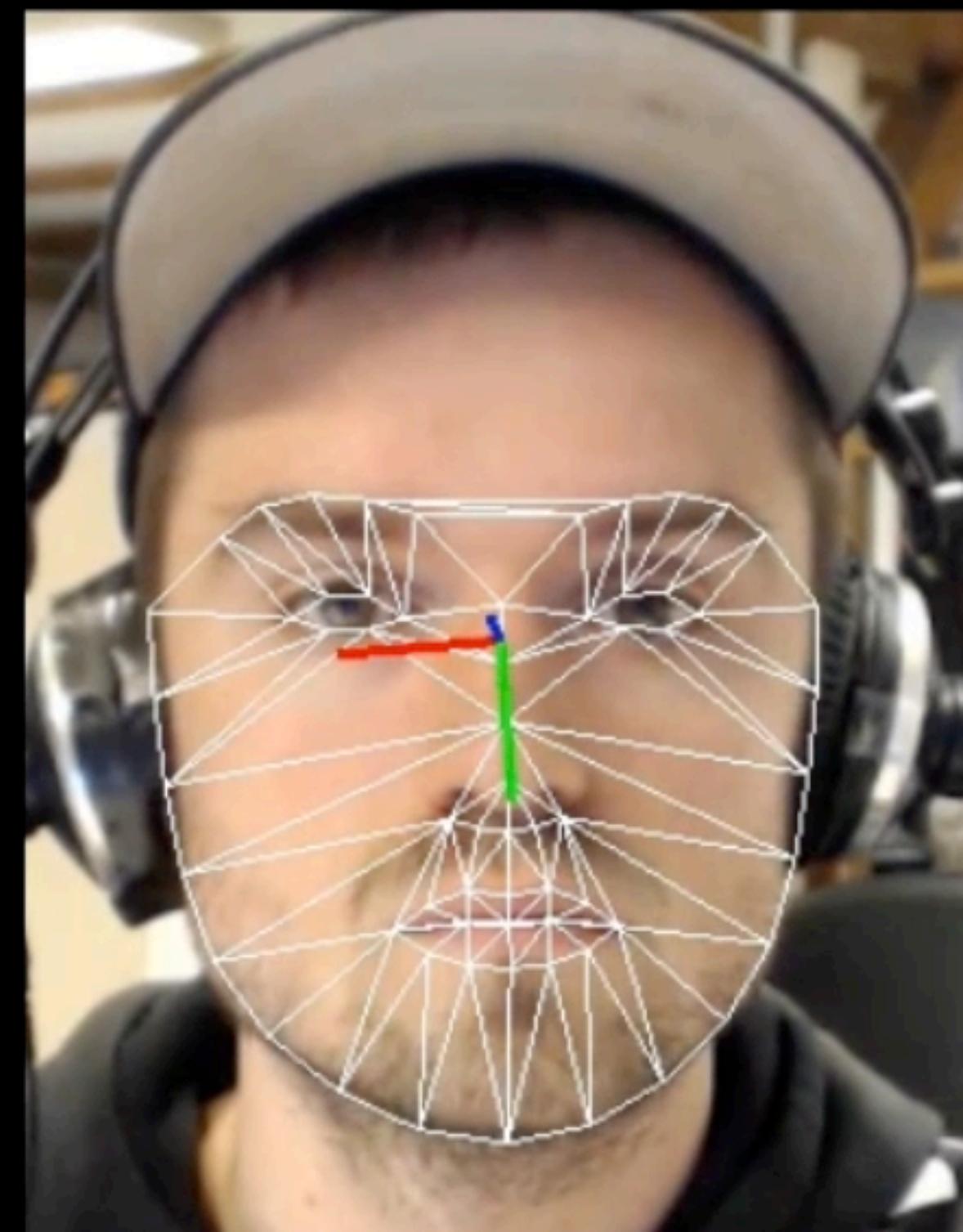
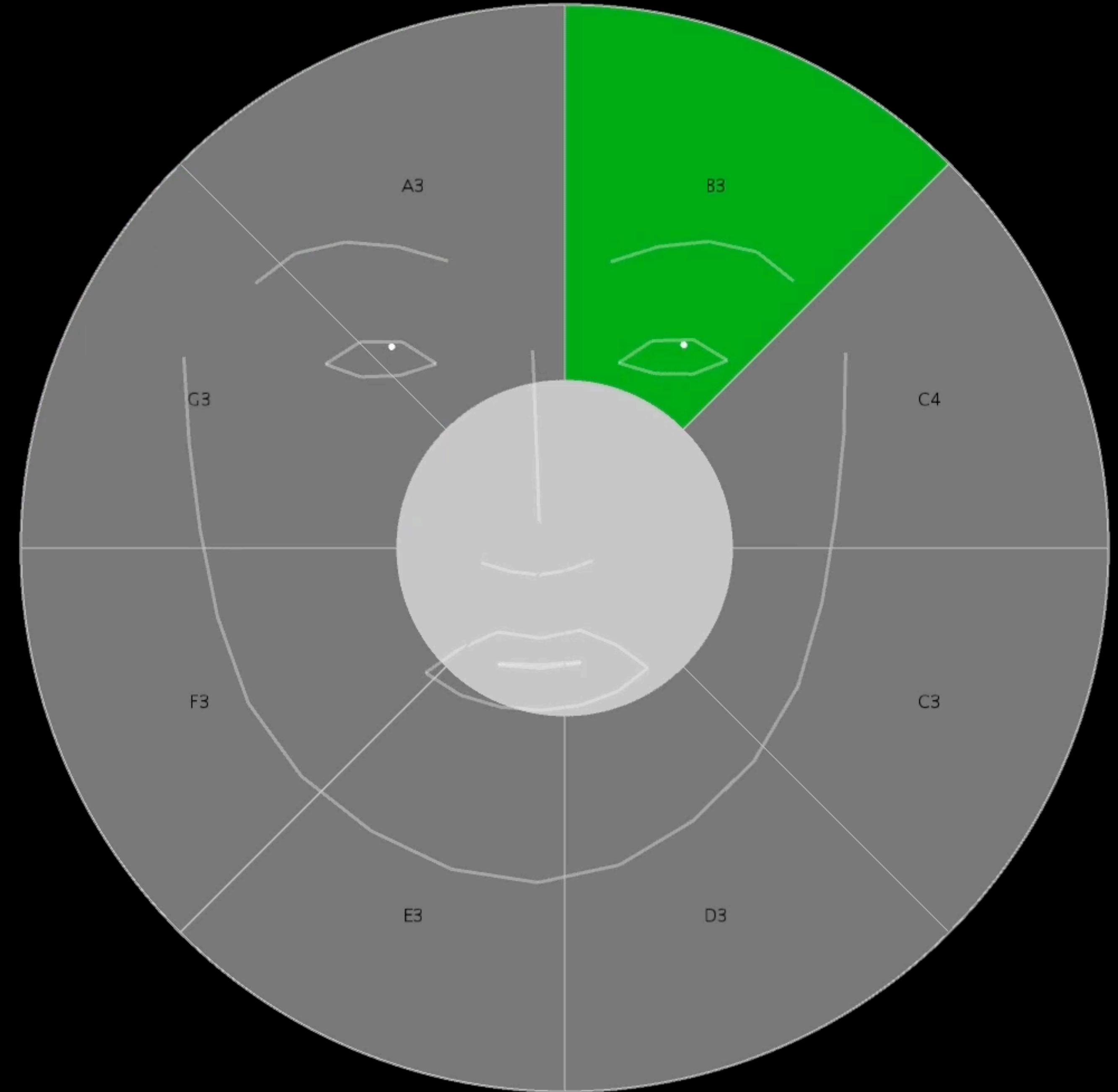
Small individual exercises

Group work + informal presentations

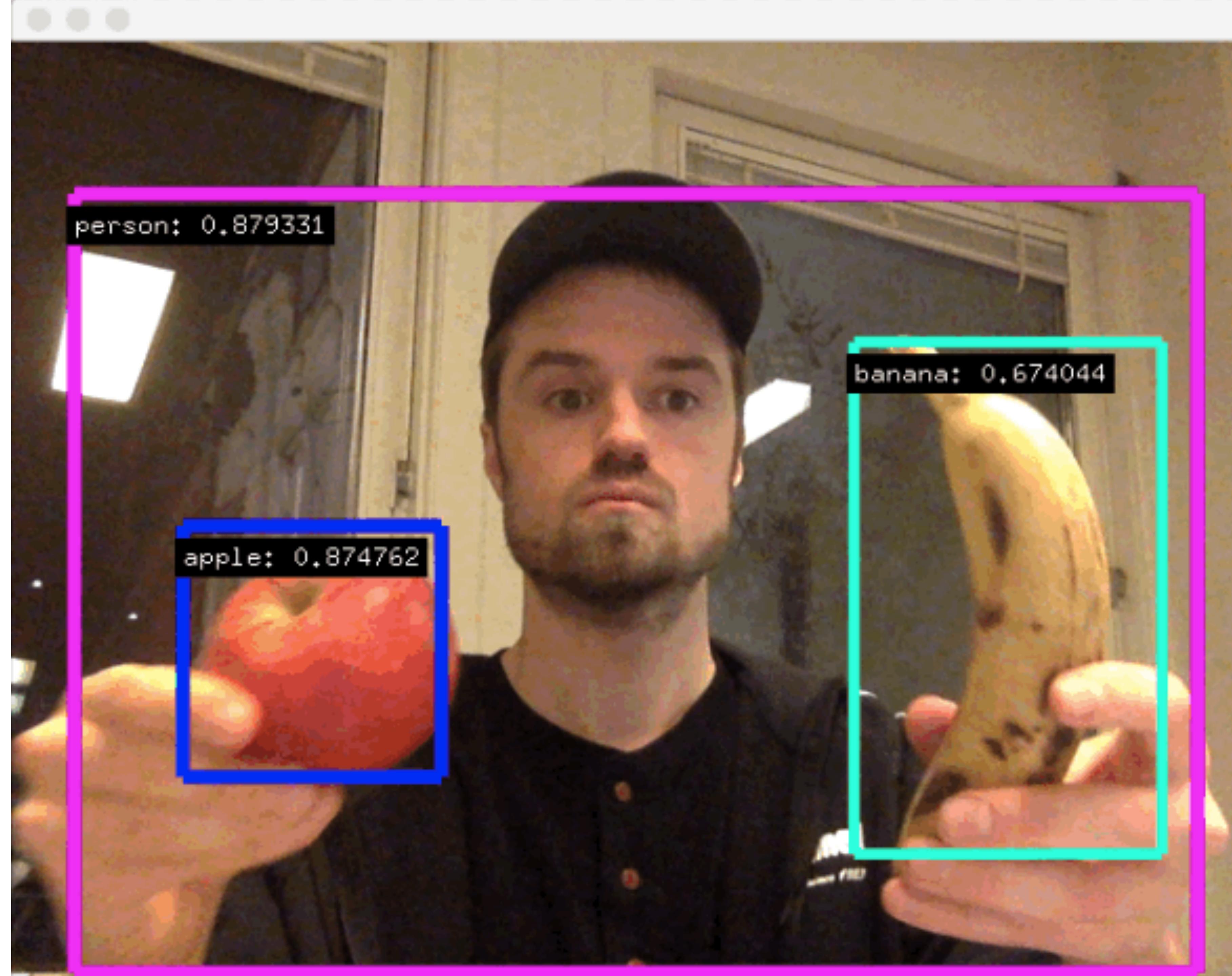
Name

Background

Motivation



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

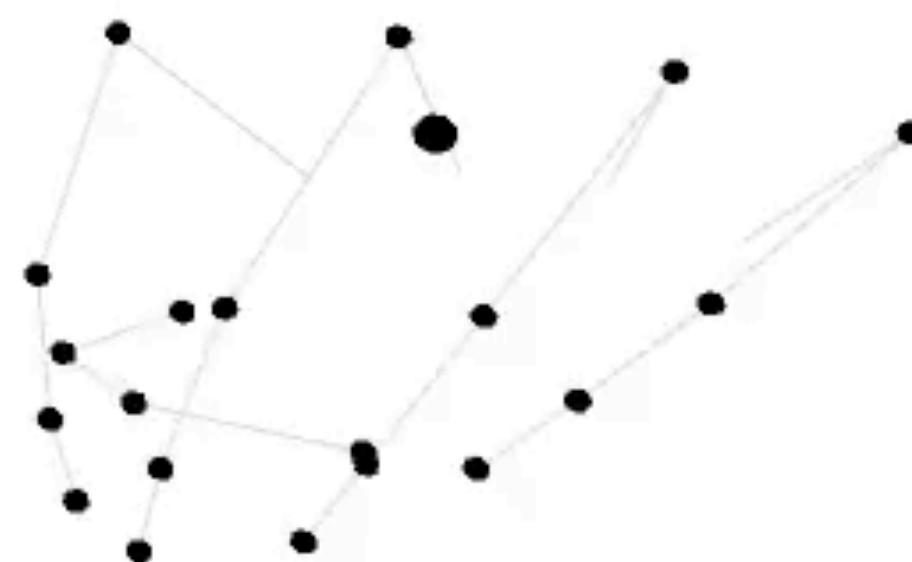
Train

Run

Delete last recording

Re-add last recording

Status: New examples recorded



Supervised Machine Learning

Prototype without (much) code

Iterate faster

Let users train and decide the interactions

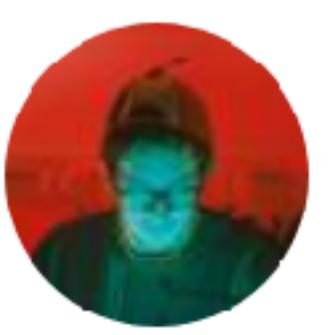
Use complex inputs



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

 Let's Go!

or [skip the tutorial](#)



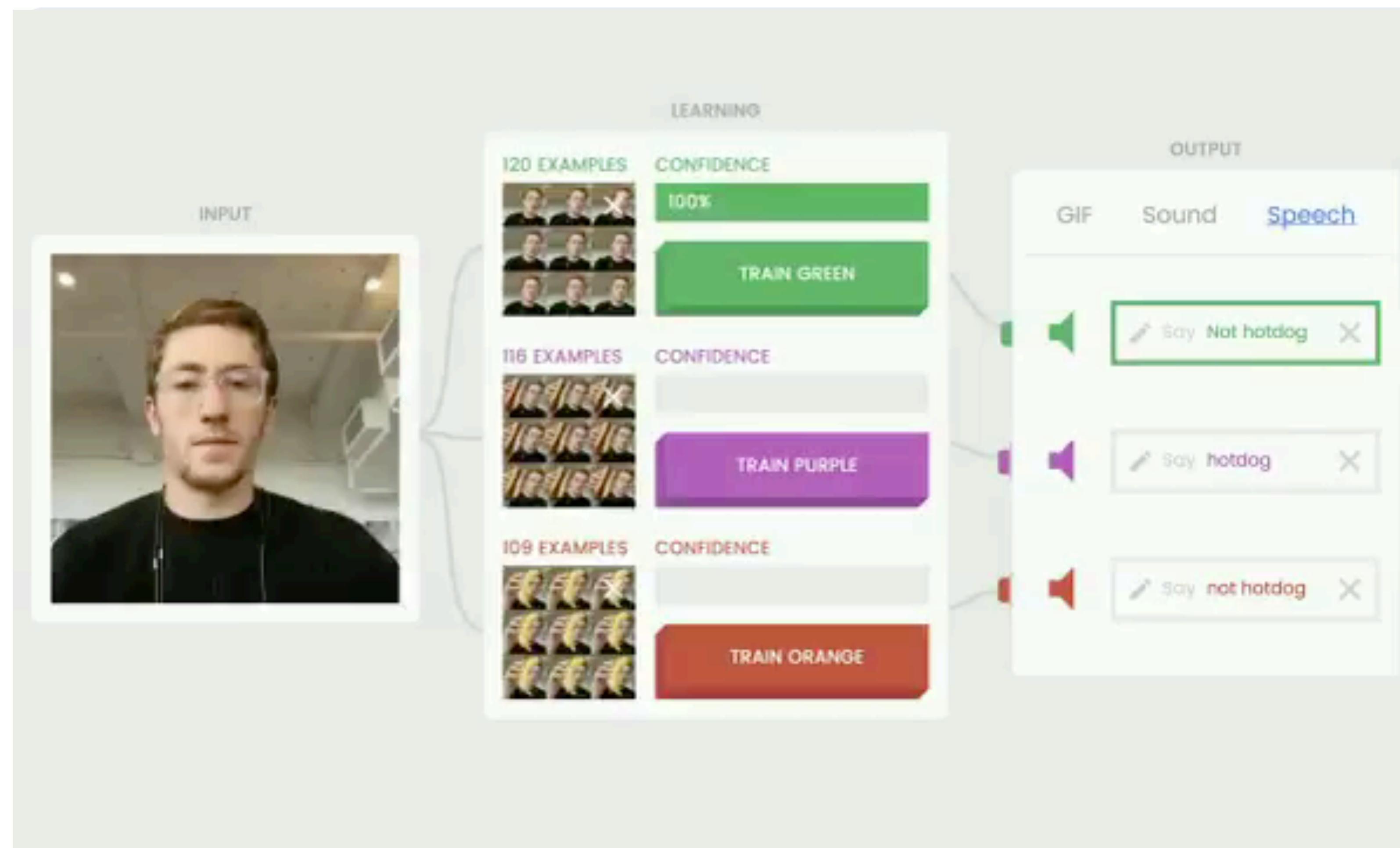
Barron

@WarronBebster

Follow

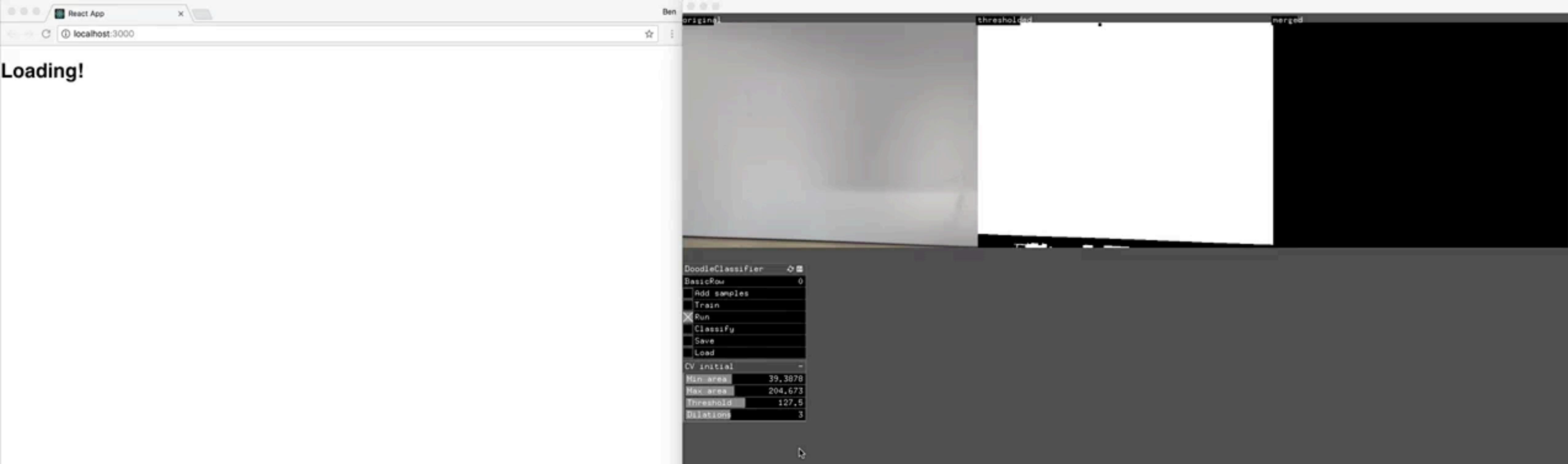


I used **#teachablemachine** to make
@siliconhbo's Not Hotdog app:



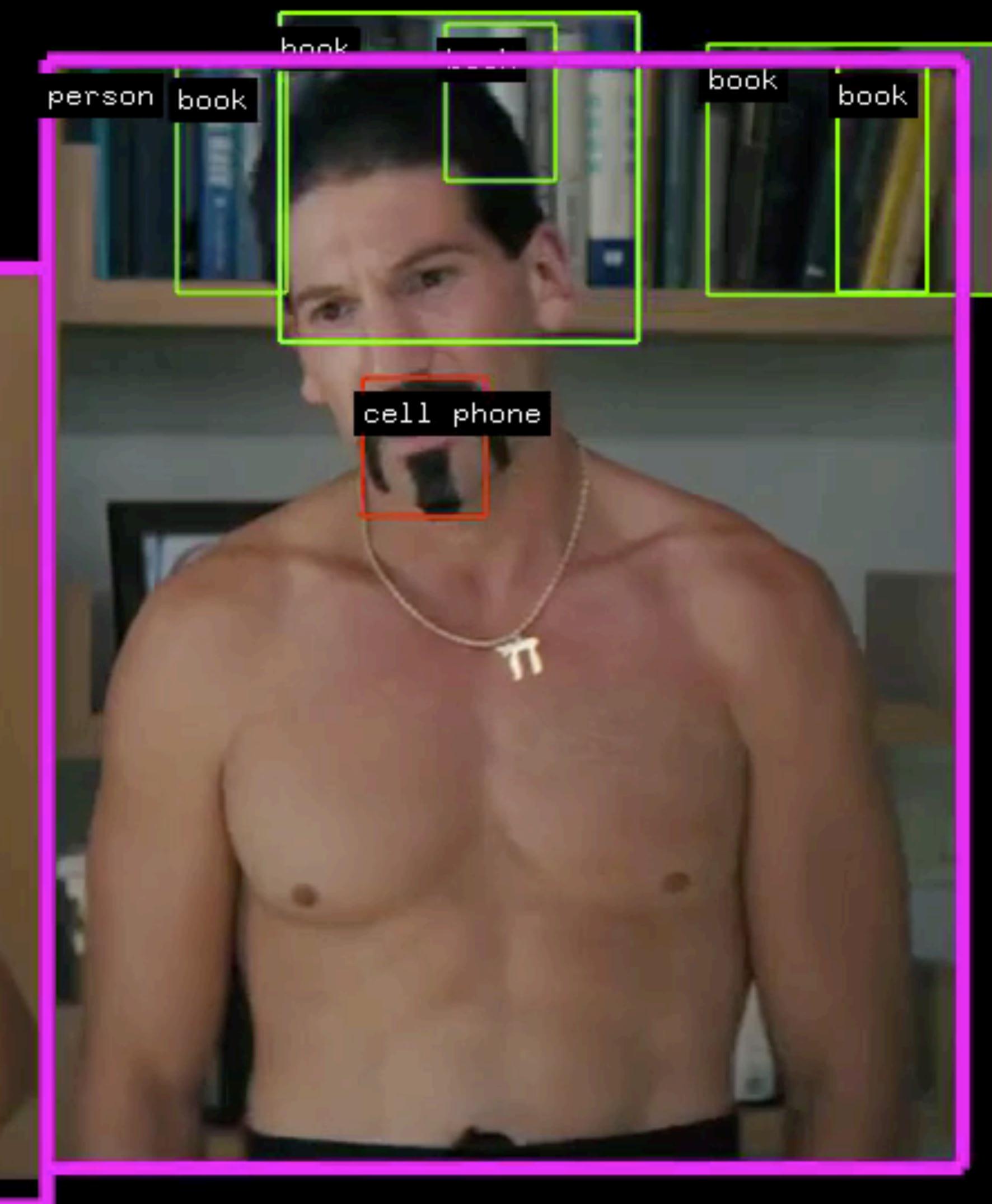
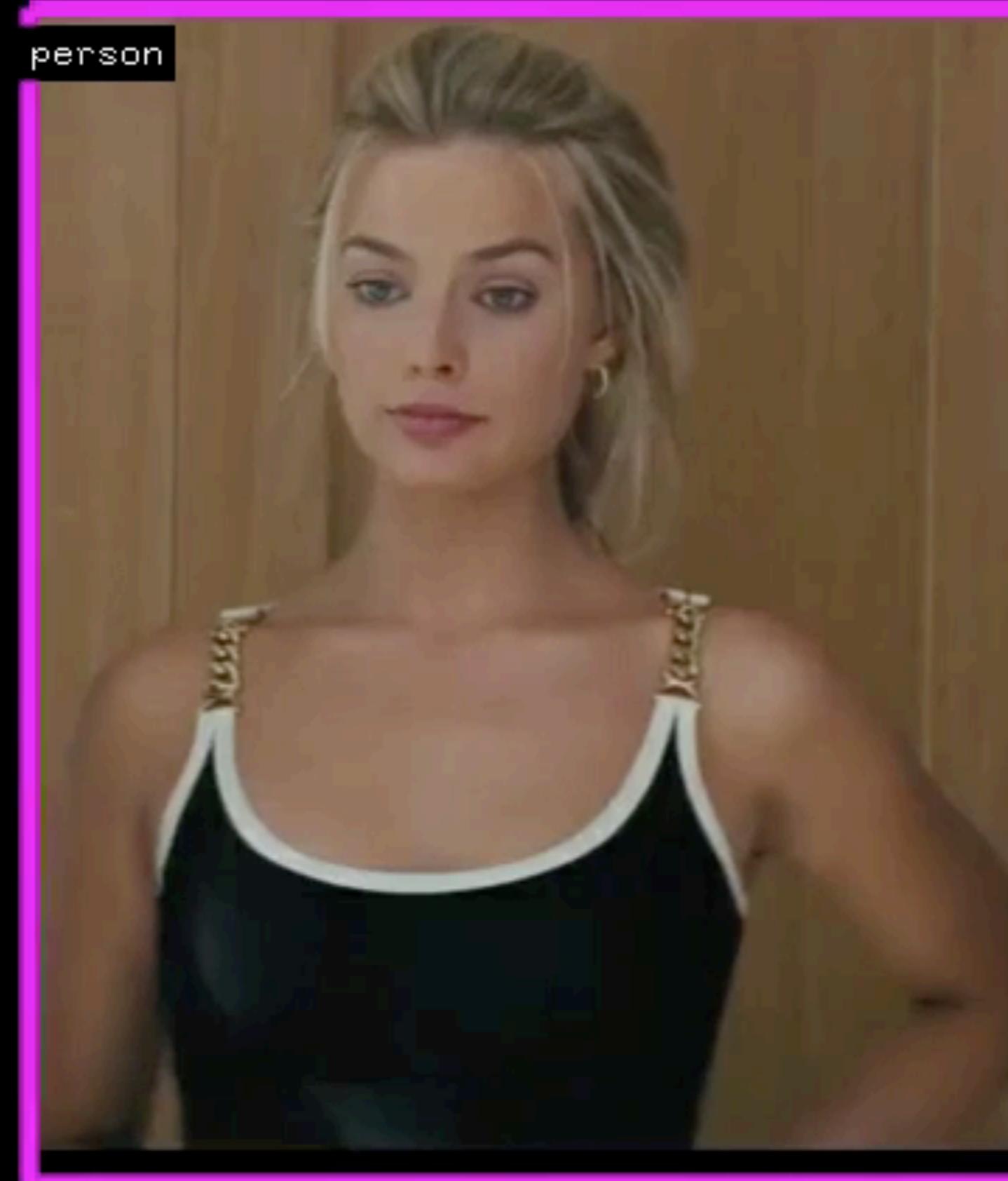


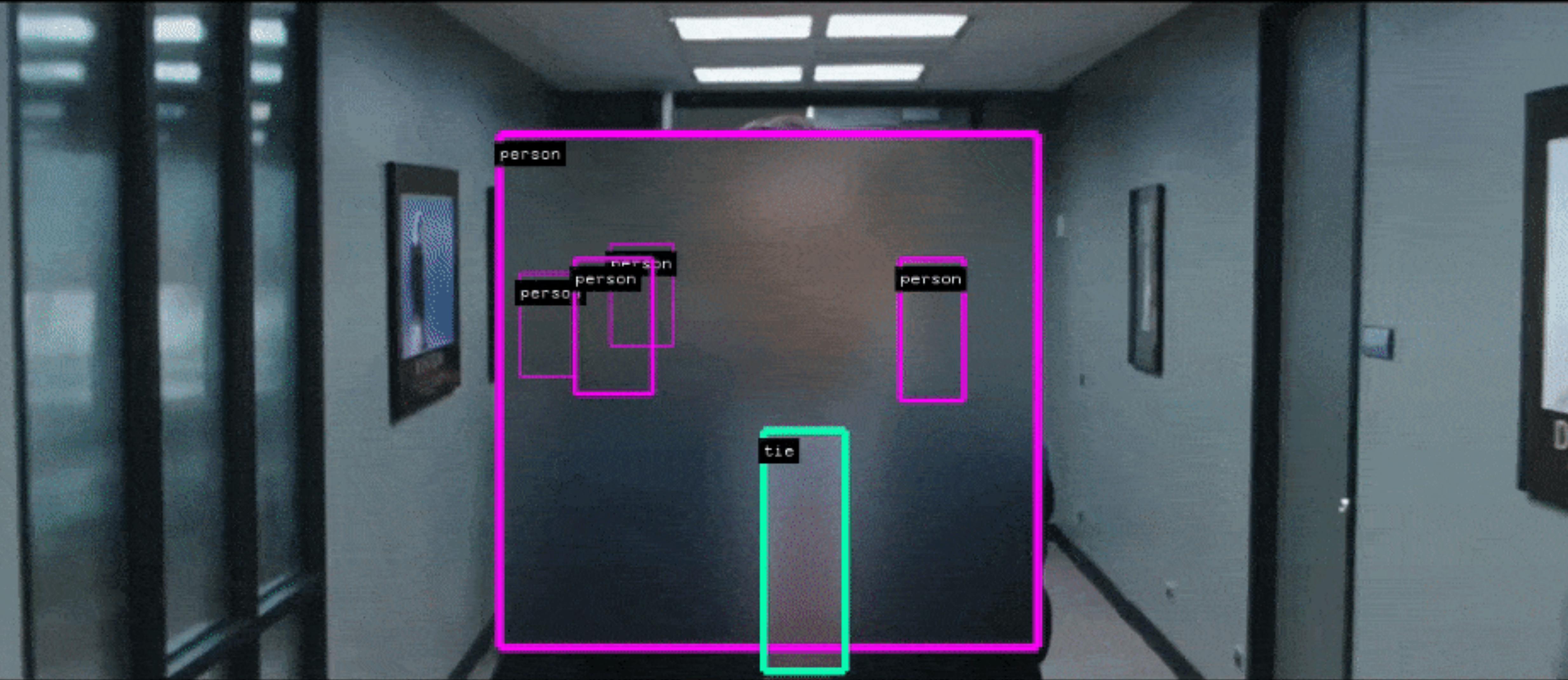


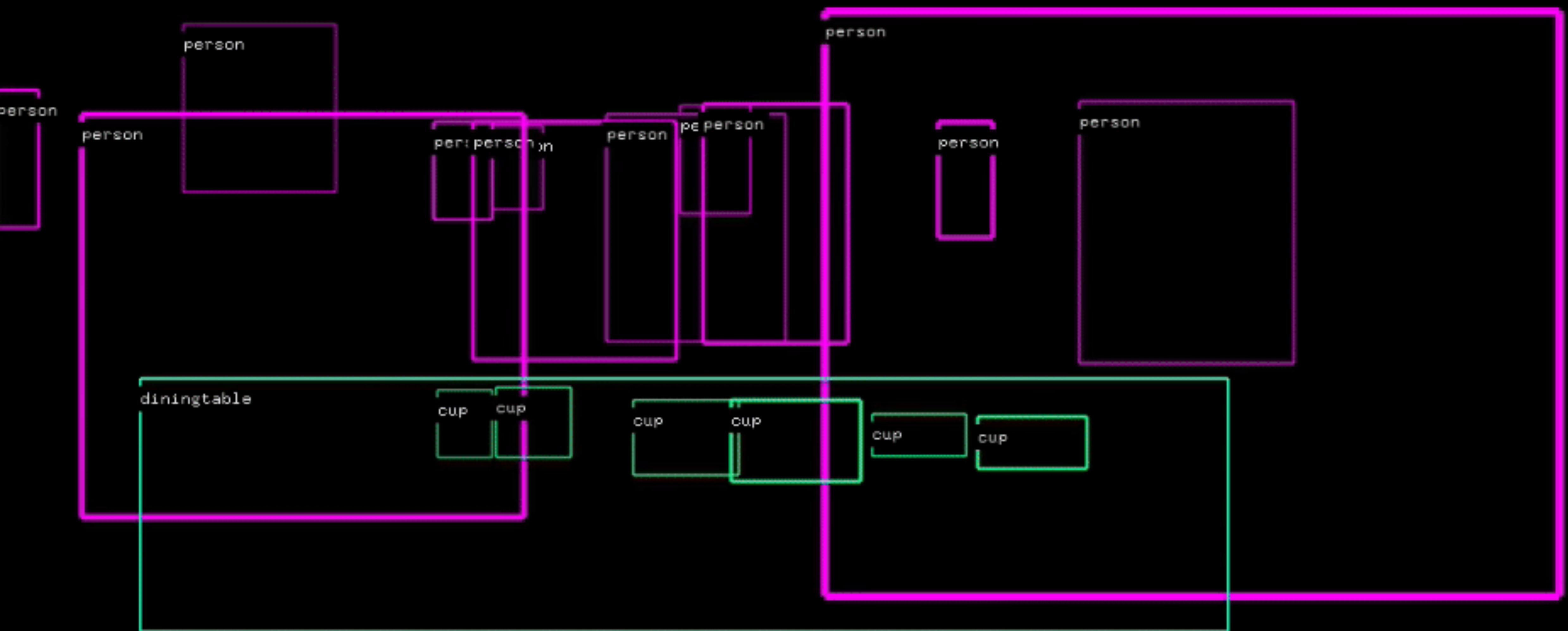


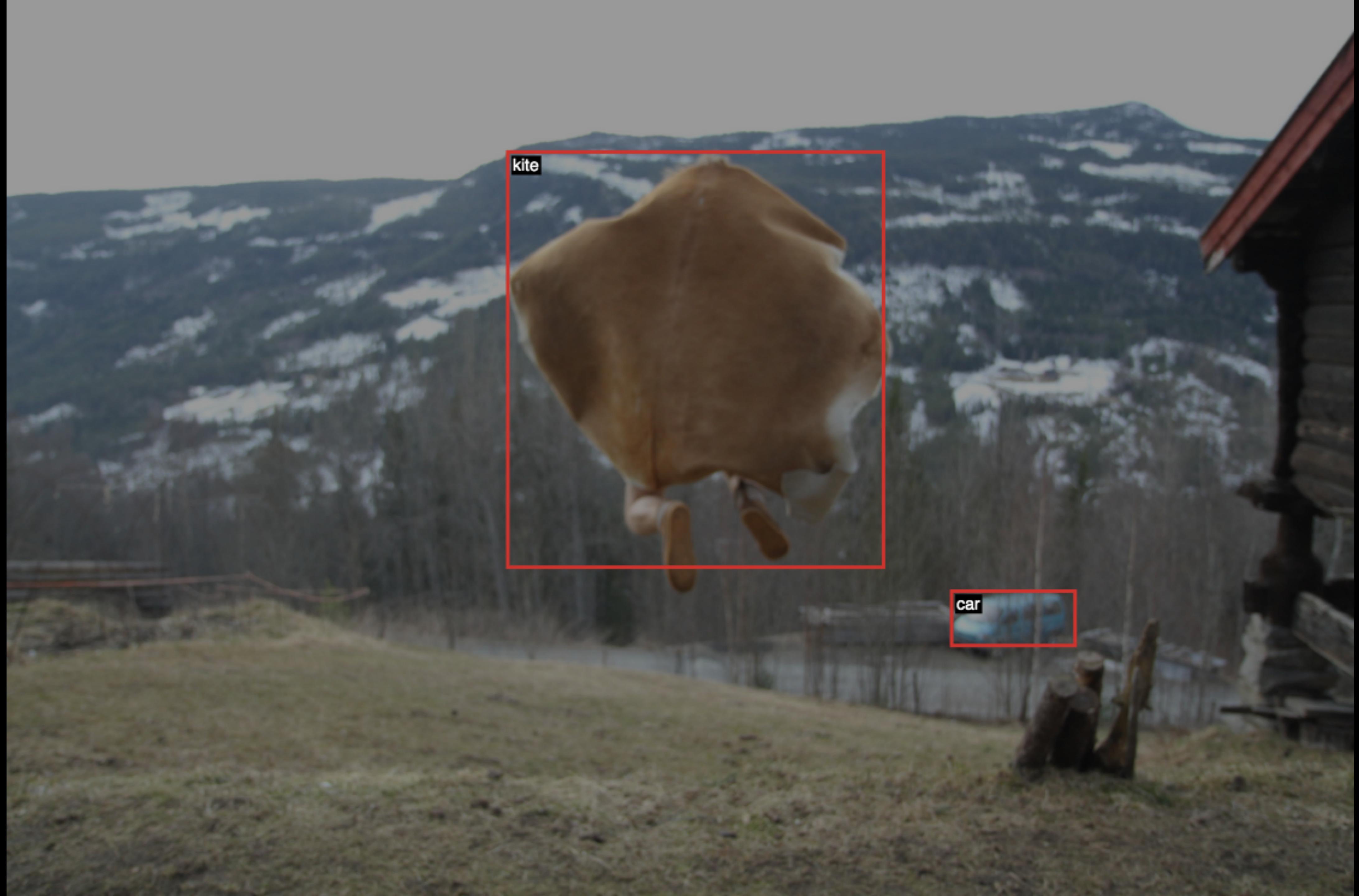
Sound controlled
Wolfenstein









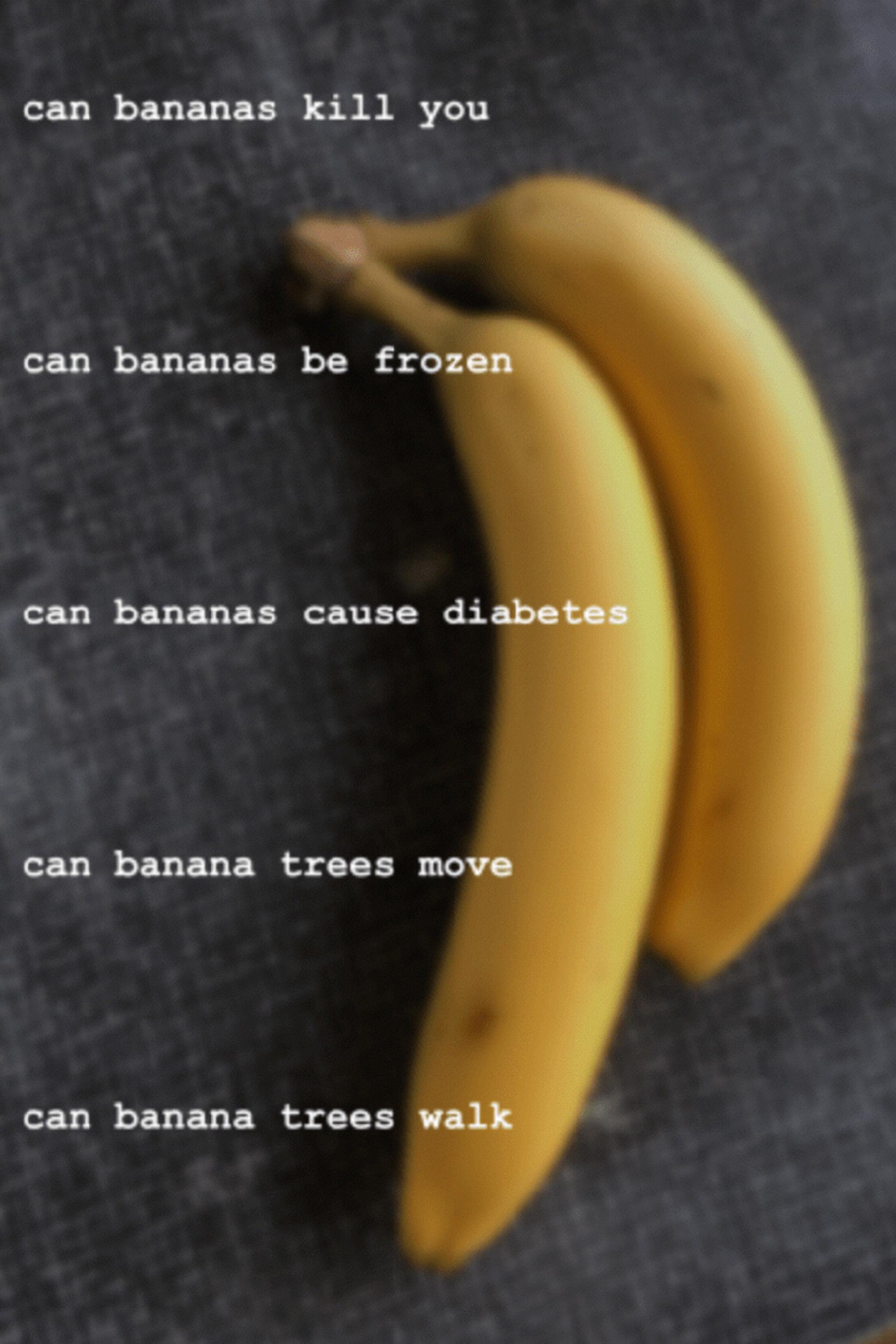


toilet



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



BOOKSBY.AI

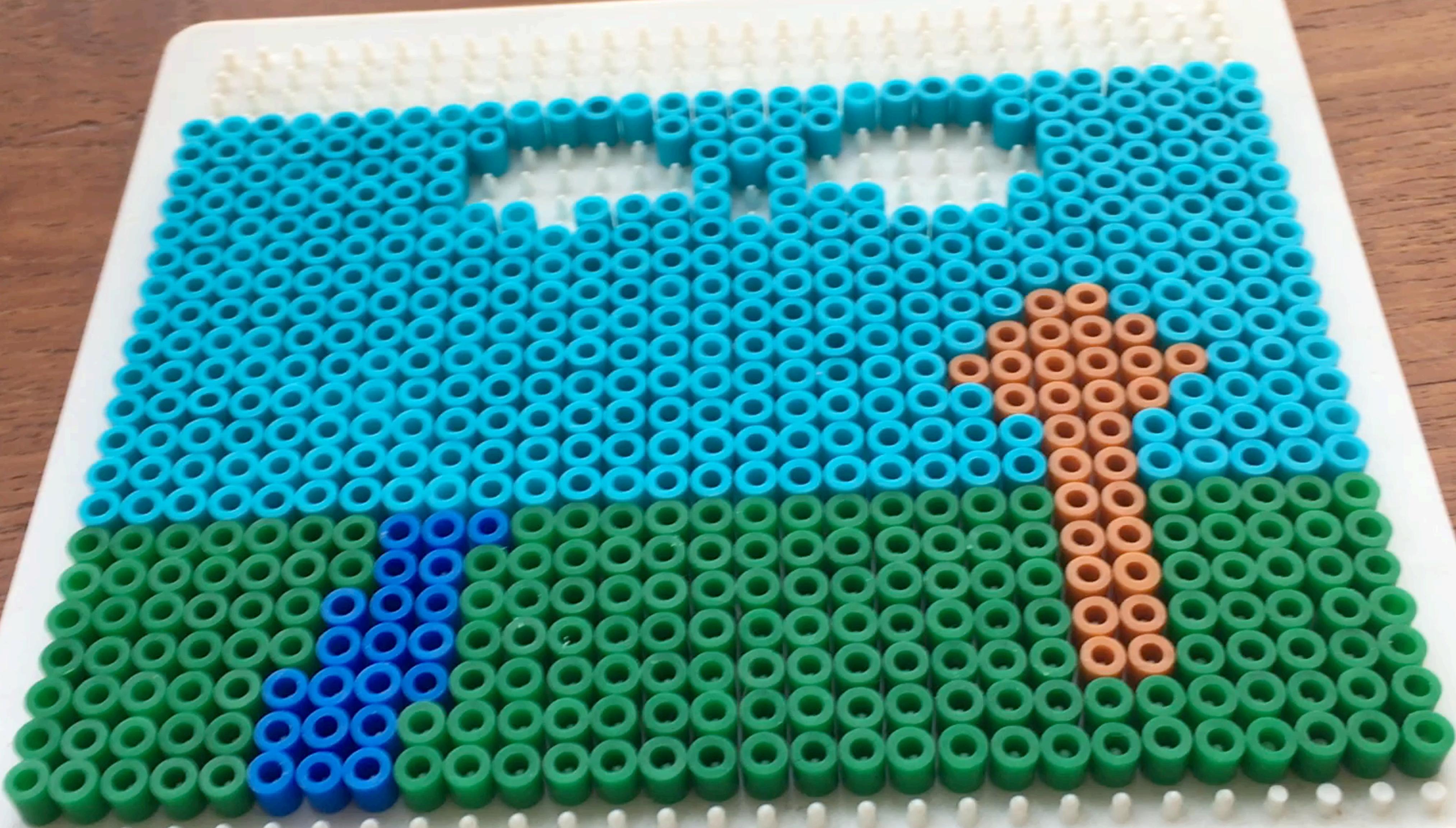
Booksby.ai is an online bookstore which sells science fiction novels generated by an artificial intelligence.

Work in progress

Perler beads to landscapes







Before we start

This is a crash course - my aim is to overwhelm you 😱

Don't focus on the code, if you don't want to 🤖

Go for lo-fi prototypes that prove novel ideas💡

Ask me or the person next to me if you get stuck 🙋

Use Google Chrome if possible + allow webcam access in browser 📸

andreasref.github.io/berlin

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

Press d to clear screen



Andreas Refsgaard

andreasrefsgaard.dk
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instagram.com/andreasref