



J. ROSENBAUM - @MINXDRAGON

⚠ CONTENT WARNING: THIS TALK CONTAINS IMAGES OF ARTISTIC NUDITY

AI AND AR: A MATCH MADE IN HEAVEN

“HOW DID YOU GET HERE?”

—just about everyone

IS MACHINE LEARNING HARD?

BUT ITS COOL...



The internet will make those bad words go away



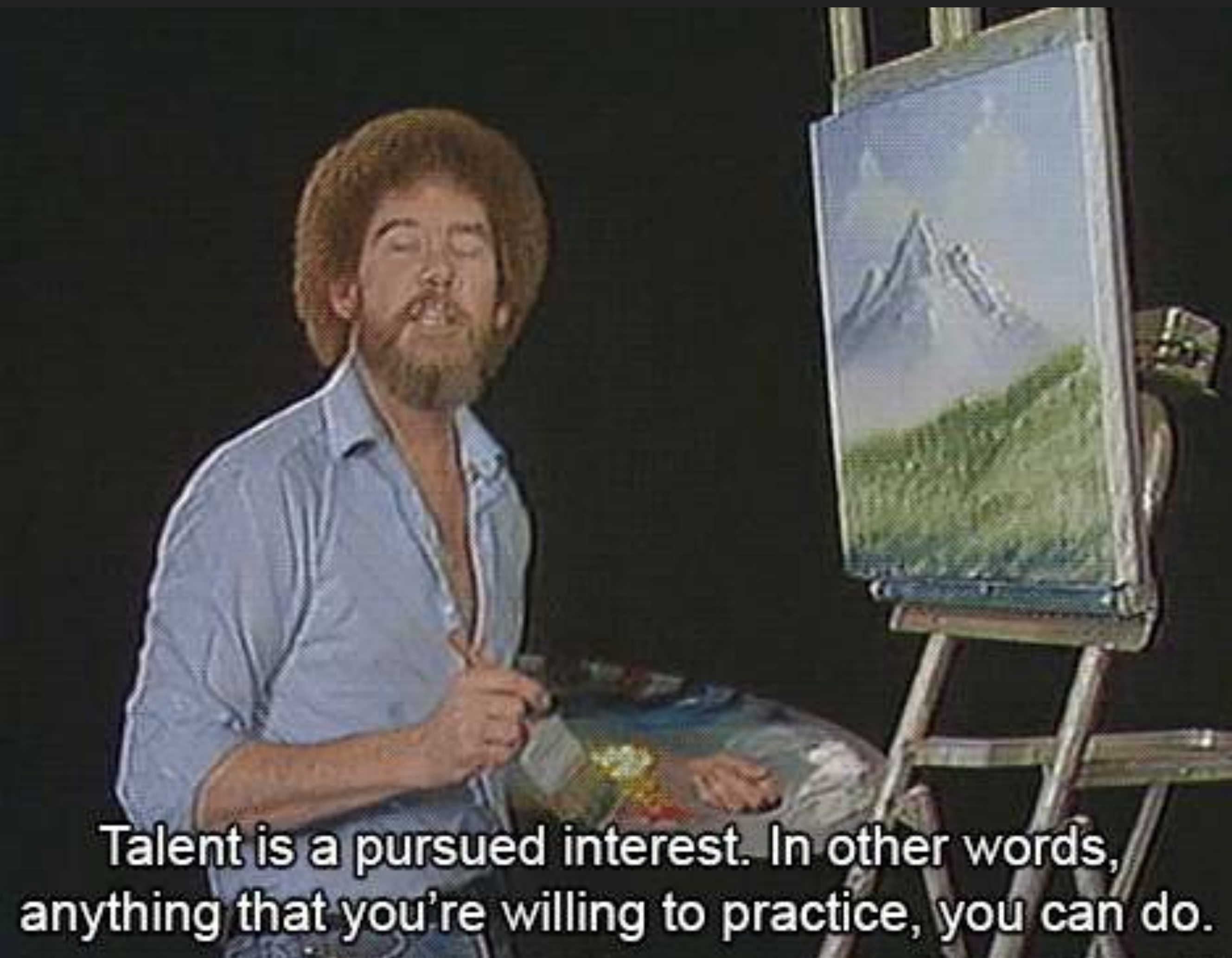
Essential

Googling the Error Message

O RLY?

The Practical Developer
@ThePracticalDev

ESSENTIAL RESOURCES



Talent is a pursued interest. In other words,
anything that you're willing to practice, you can do.

BOB KNOWS

LISTEN TO BOB



WHAT DO YOU WANT TO SAY?

MESSENGERS OF THE GODS

RAPHAEL

OIL PAINTING AND RENDER



THE SKIPPING GIRL, LITTLE AUDREY – JIM THALOSSOUDIS



WHERE IS THE ART?

Irene Hanenberg

Pictures combined using Neural networks

by koreanoverlord Feb 28 2016

Next Post >



Here is the site that produced these amazing images: http://ostagram.ru/clients/sign_up

(Please don't overload it imgur)

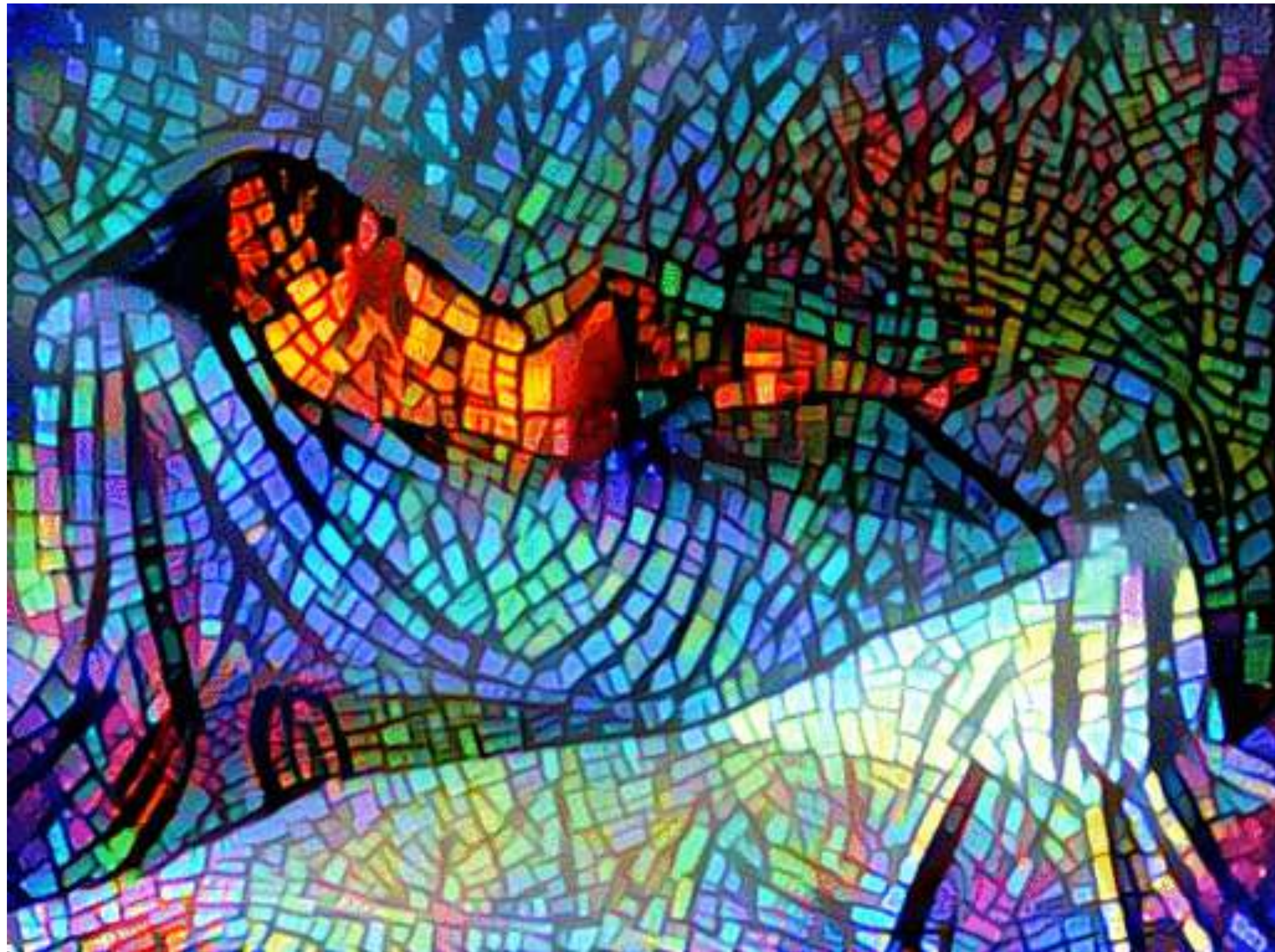


Hekewa 26 pts Feb 28 2016 ...

For the tech savvy: <https://github.com/jcjohnson/neural-style>

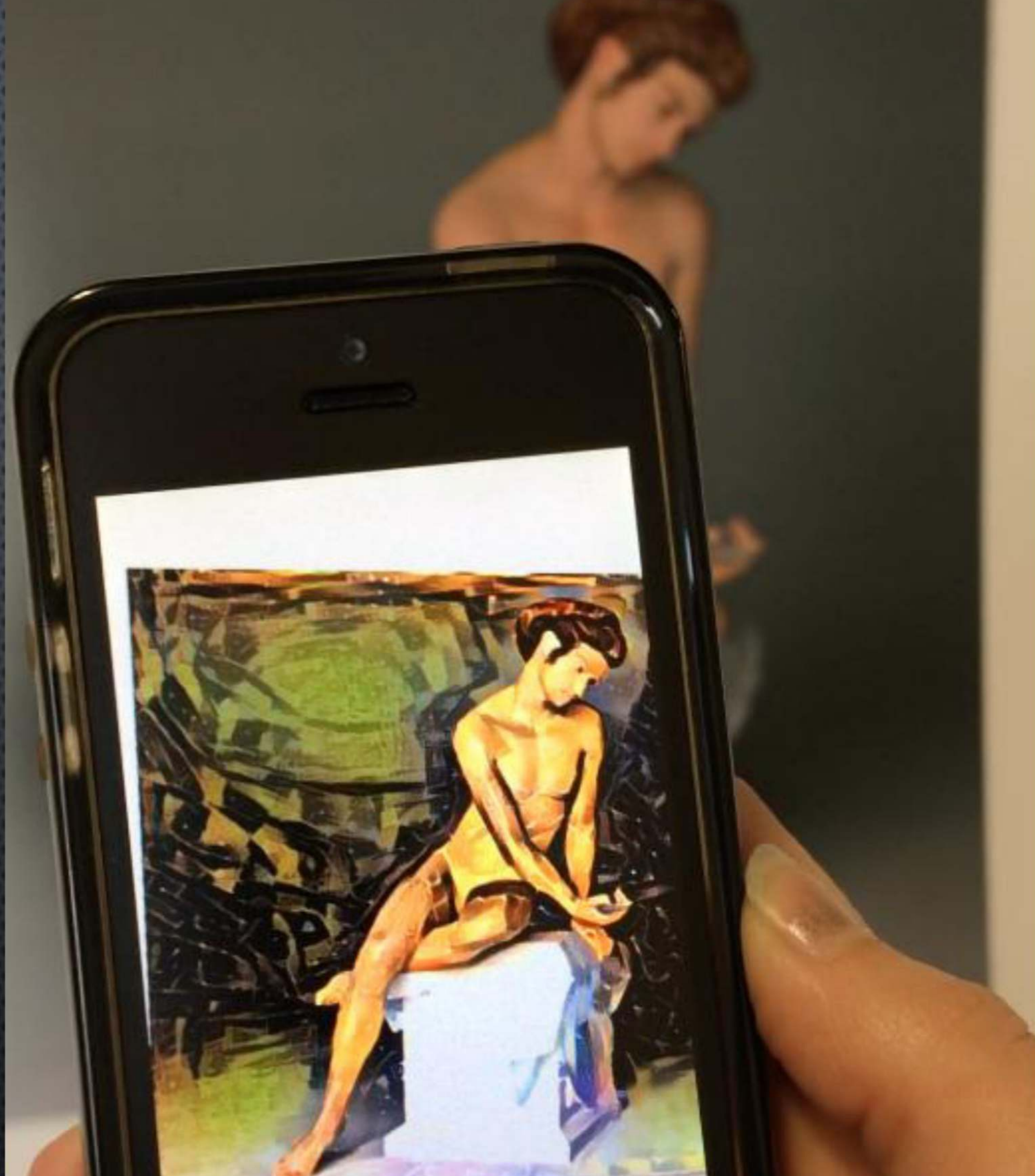


MAIR ANIMATION SEQUENCE



**IT COULDN'T BE THAT HARD...
RIGHT???**

Me





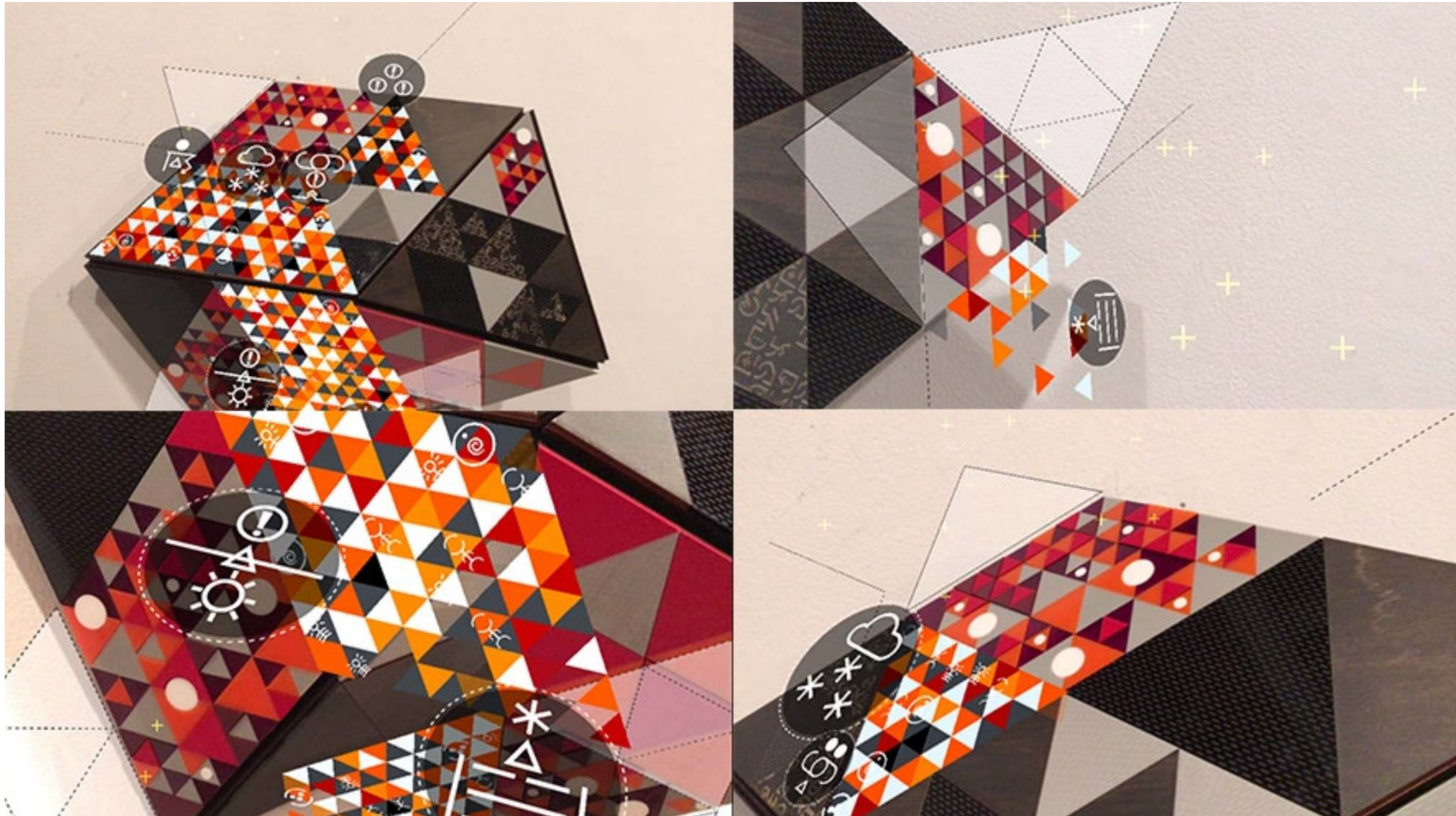
The wind made no sense at all. It was a stark contrast to the snow, as if it were some kind of fairy tale. God, it felt like they were going to fall apart in less than five days.

I had the color of black and white, and I felt a stab of pain in the back of my head. For some reason, it seemed to be the most sacred thing in the world.

The man who looked at her as if she were the most beautiful man I had ever seen, I simply stared at him for a long moment, trying to think of more ways than I should have been.



PATTERN RECOGNITION



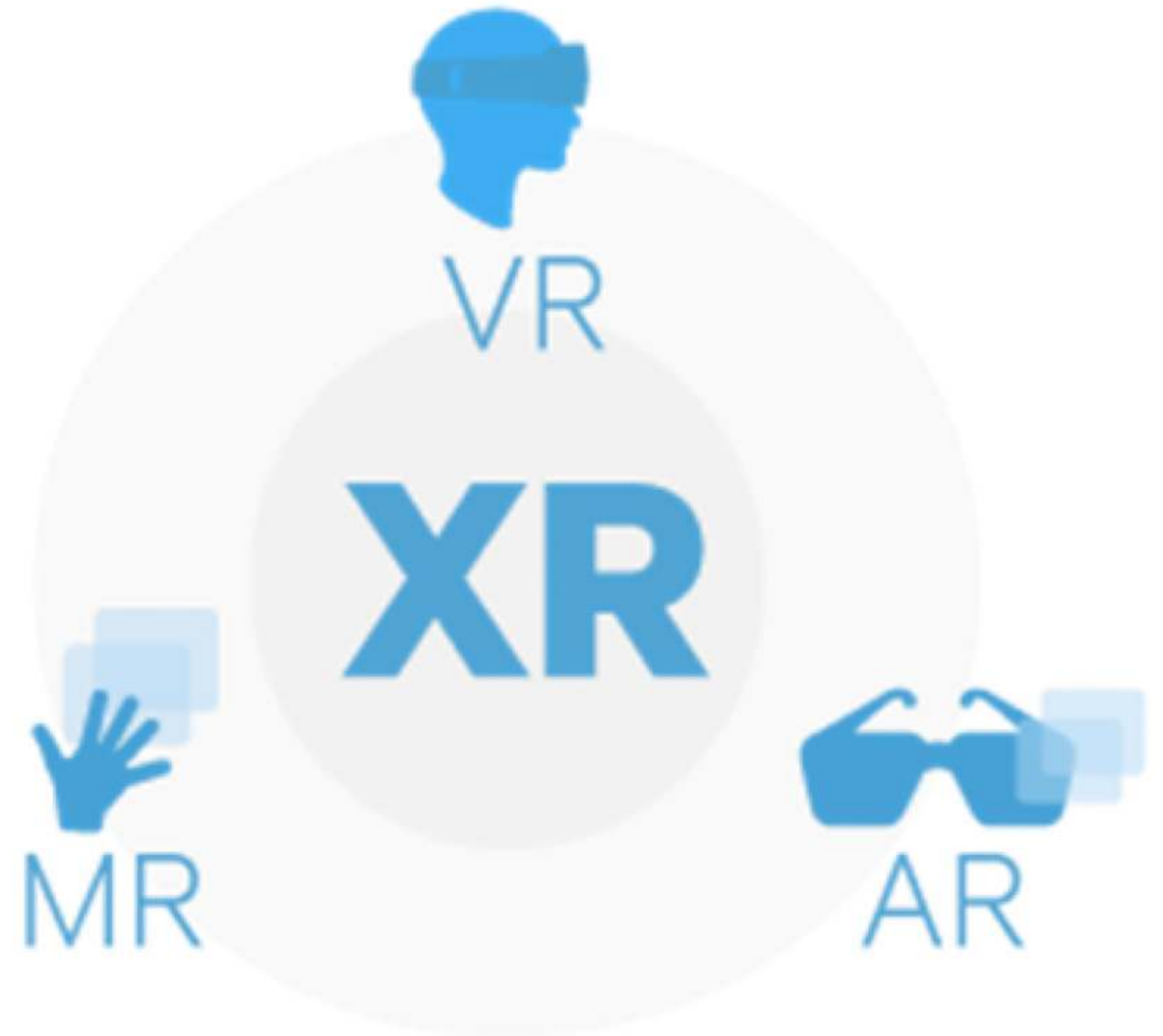
MOMAR

<http://MoMAR.gallery>



XR – EXTENDED REALITY

- ▶ Mixed Reality
- ▶ Augmented Reality
- ▶ Virtual Reality

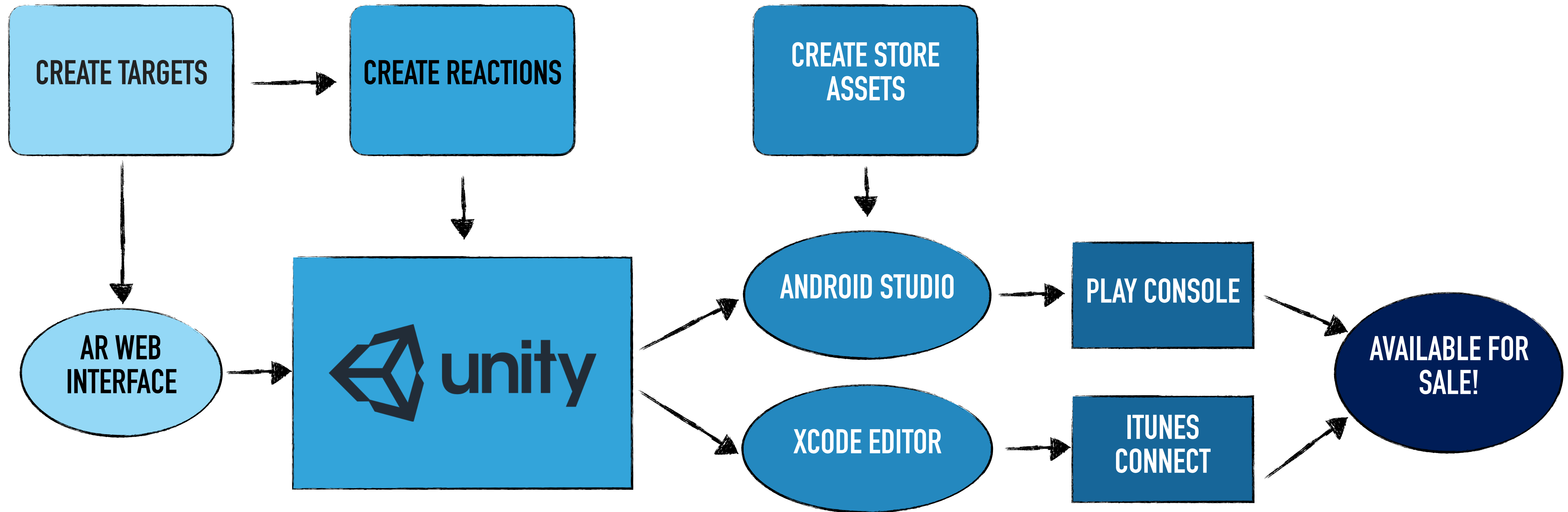


OPTIONS FOR AUGMENTED REALITY DEVELOPMENT

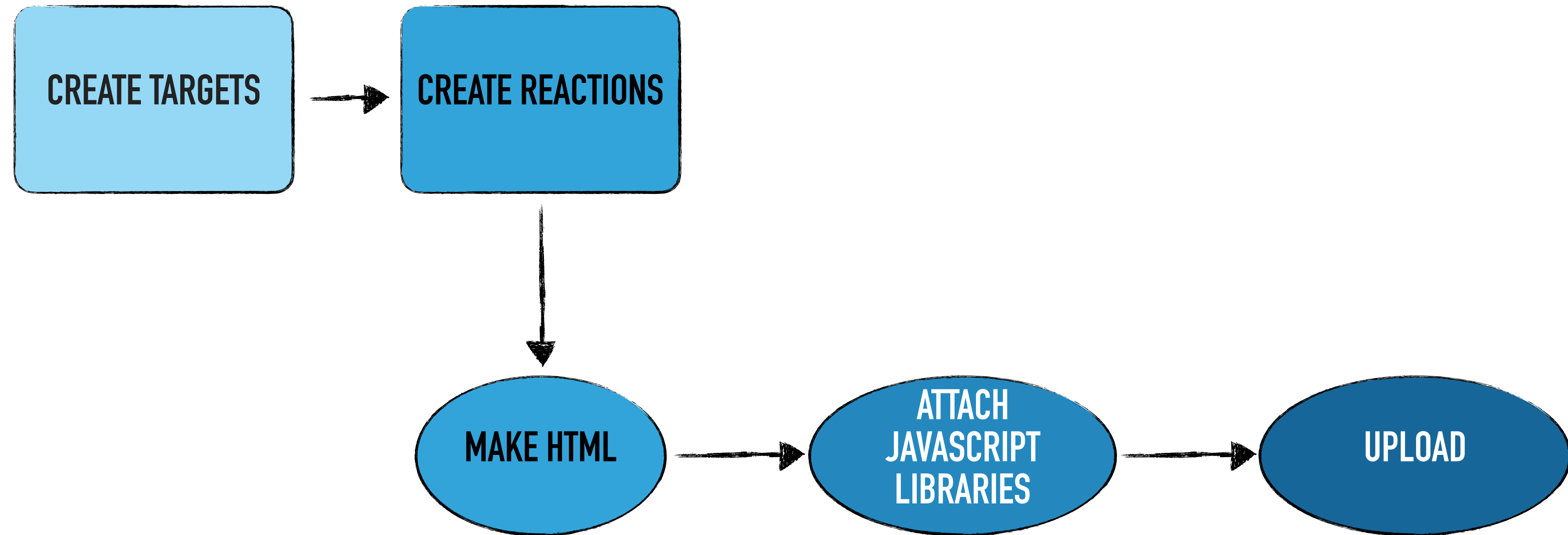


YIKES!

UNITY TO APP STORE PIPELINE



AR.JS PIPELINE



I HOPE THIS WORKS...

[MINXDRAGON.GITHUB.IO](https://minxdragon.github.io)

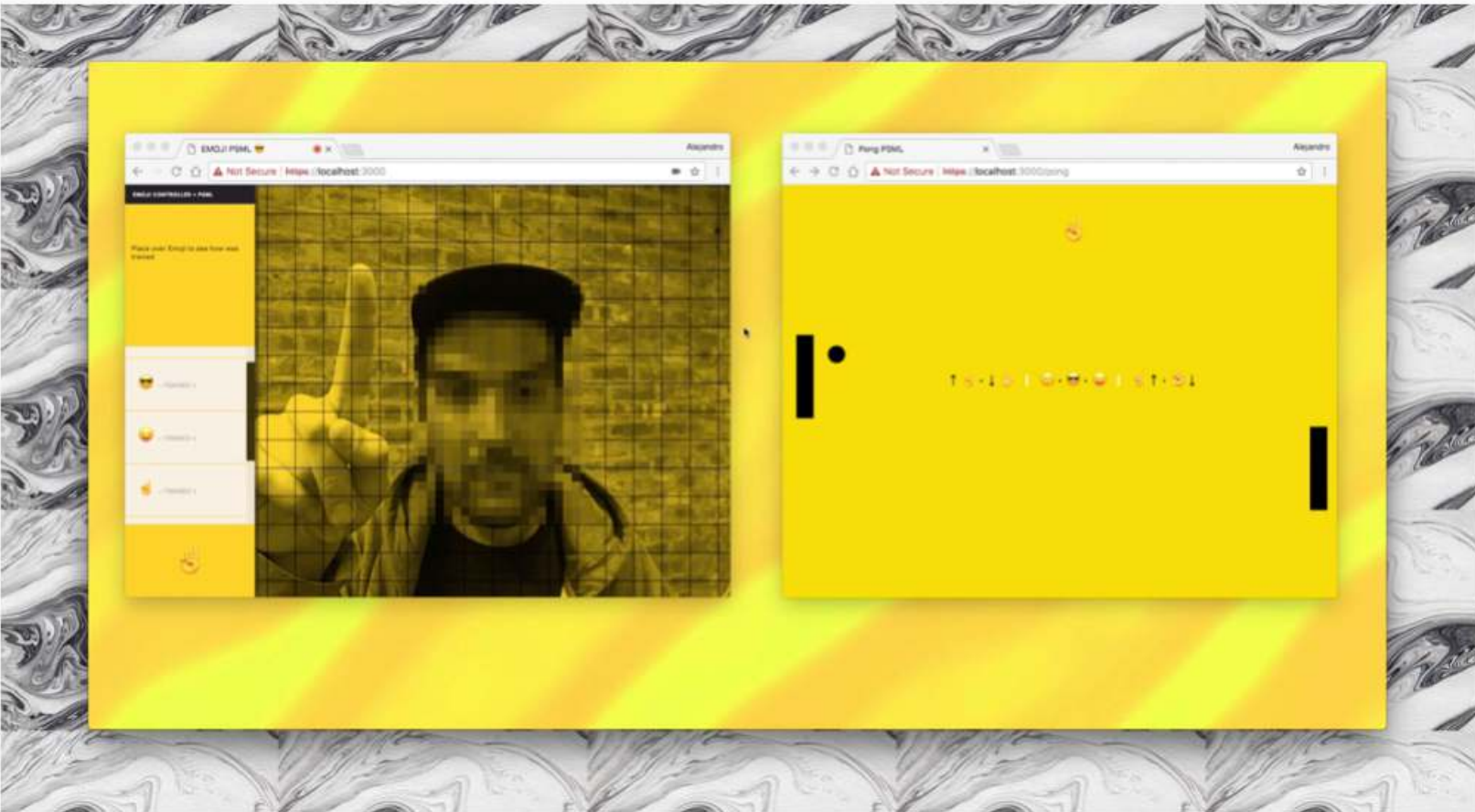


MACHINE LEARNING FOR THE WEB




Pong ML

Machine Learning Pong Game in The Browser



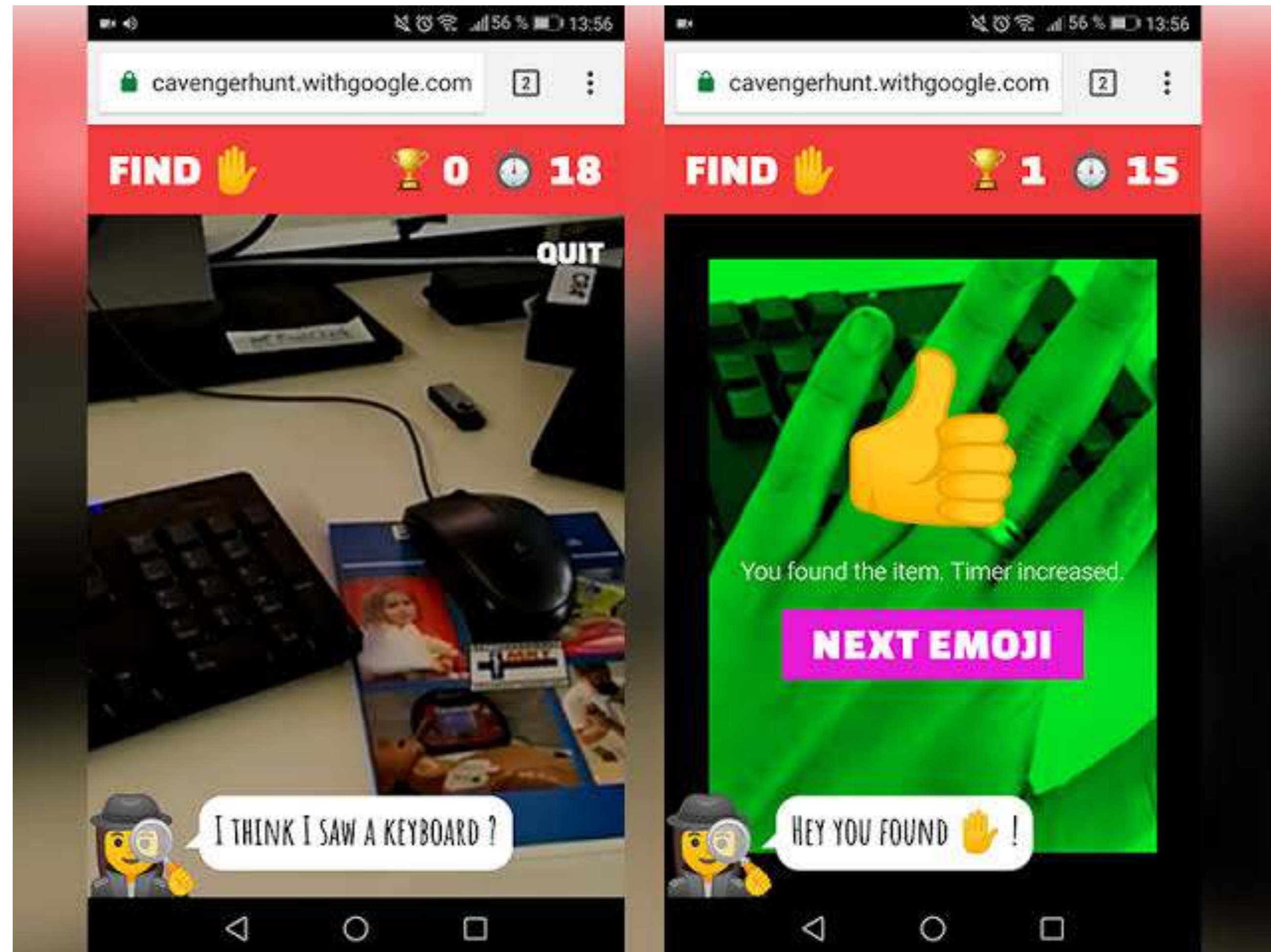
Upload Image

or drag and drop 

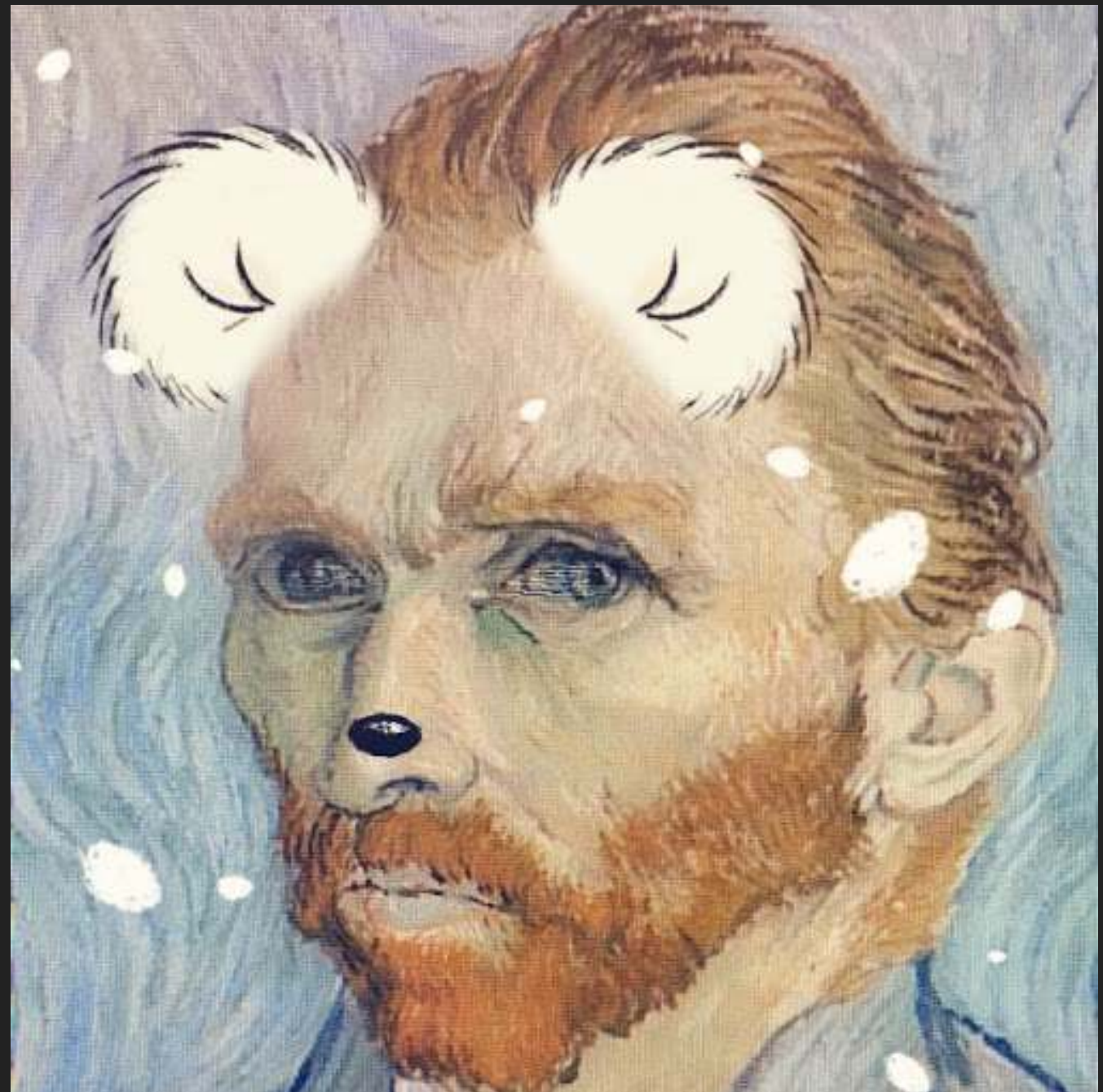
The MobileNet model labeled this  as a macaw with a confidence of 75.99%.

[HTTPS://GITHUB.COM/GOOGLE/EMOJI-SCAVENGER-HUNT](https://github.com/google/emoji-scamper-hunt)

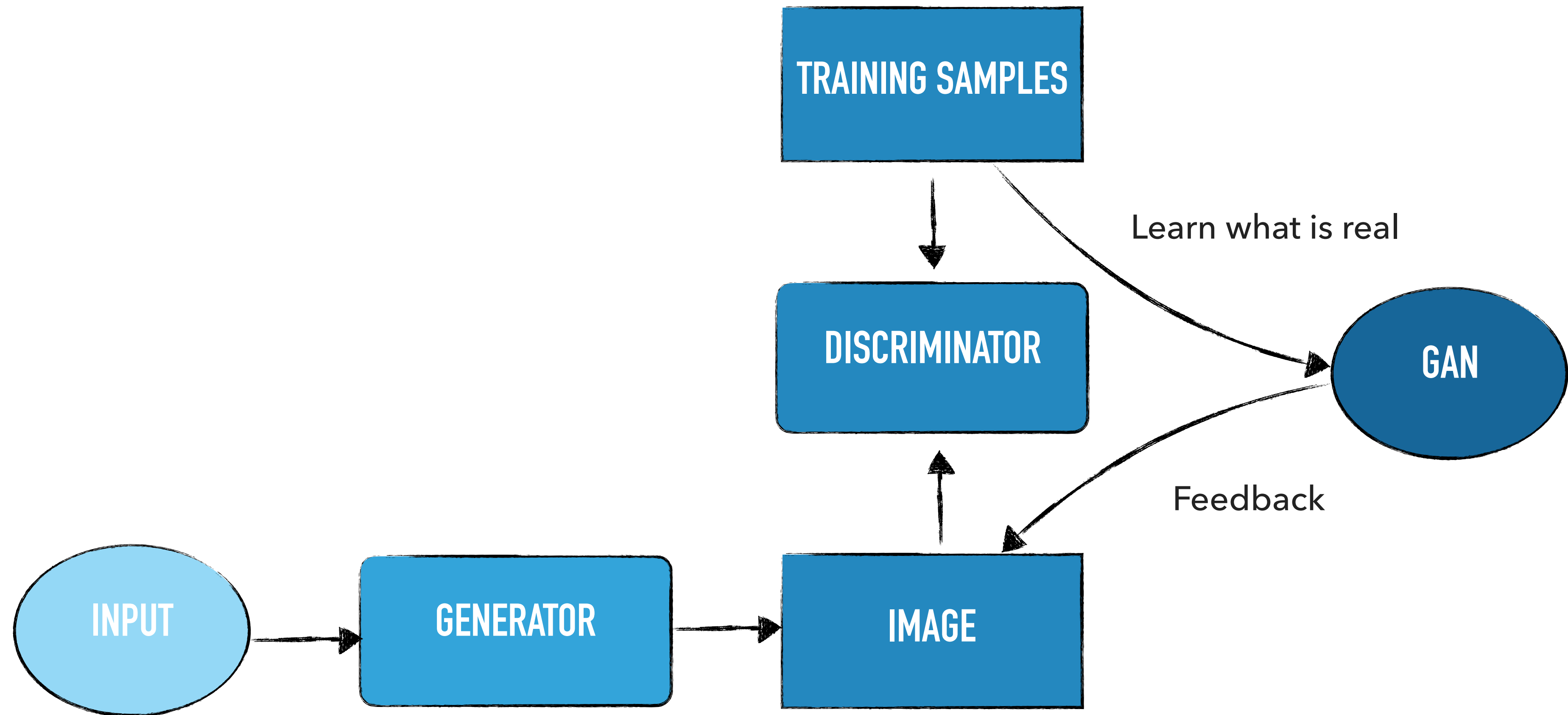
[HTTPS://EMOJISCAVENGERHUNT.WITHGOOGLE.COM](https://emojiscavengerhunt.withgoogle.com)

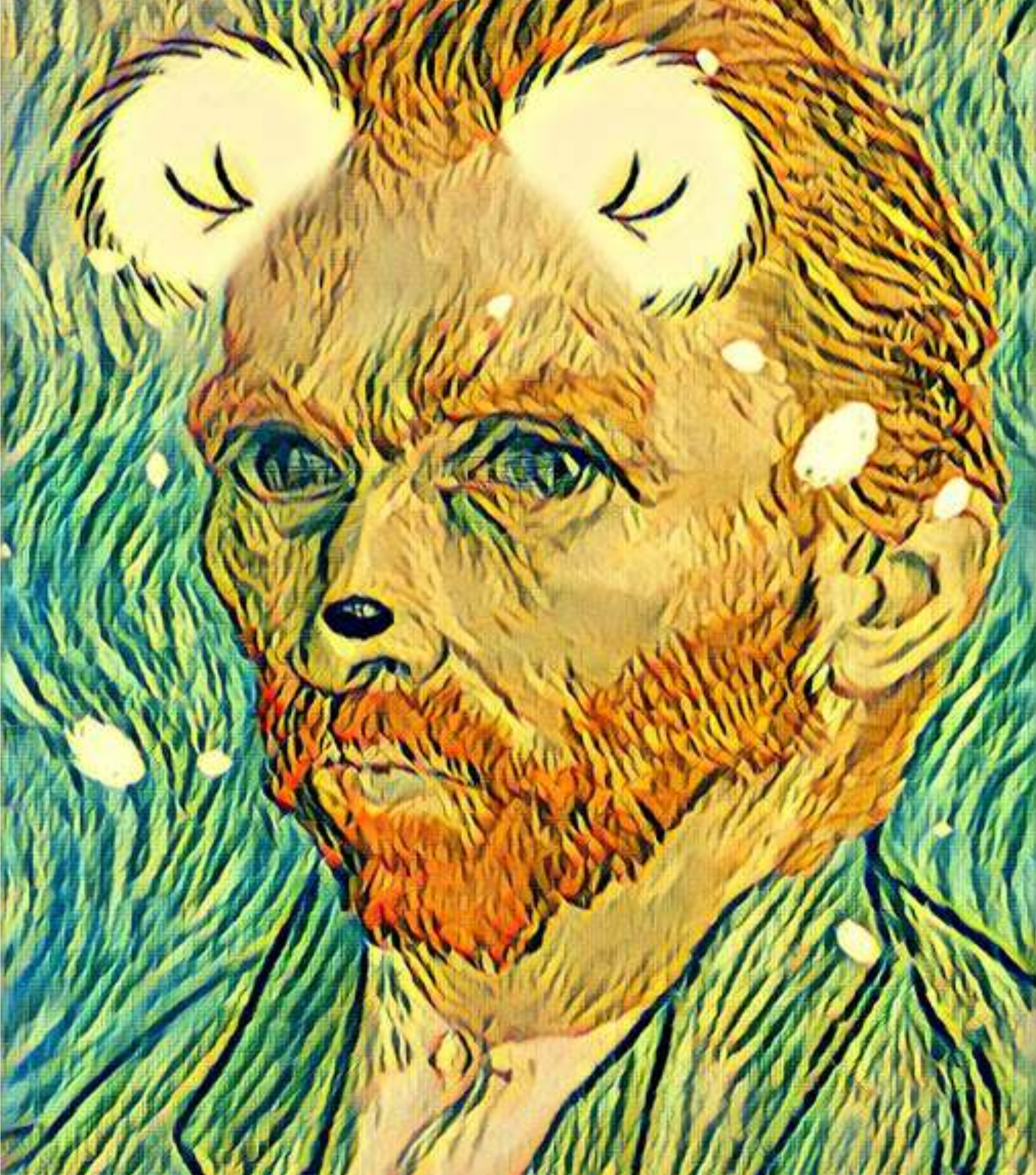






GAN STRUCTURE





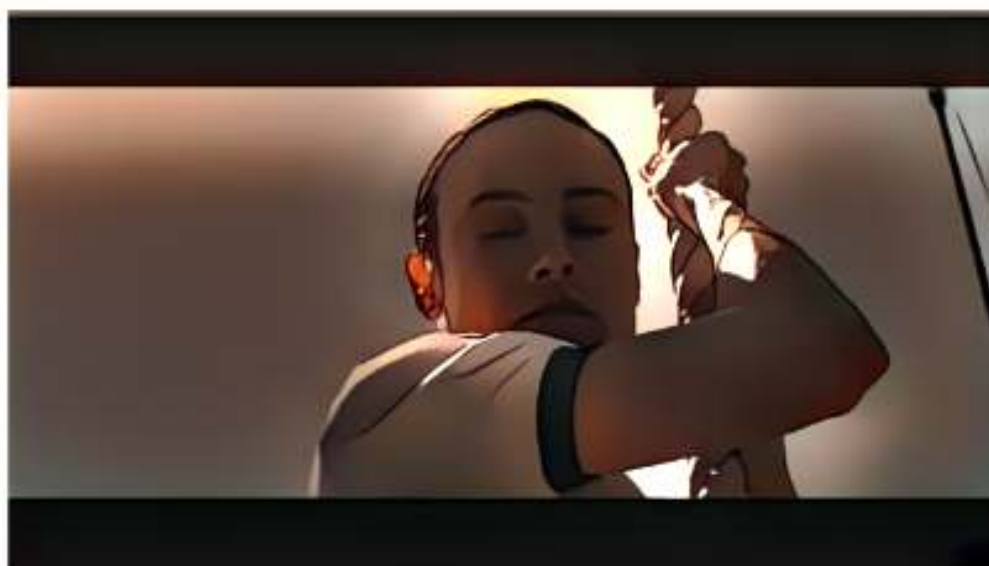
Style Transfer

<https://arxiv.org/abs/1508.06576>



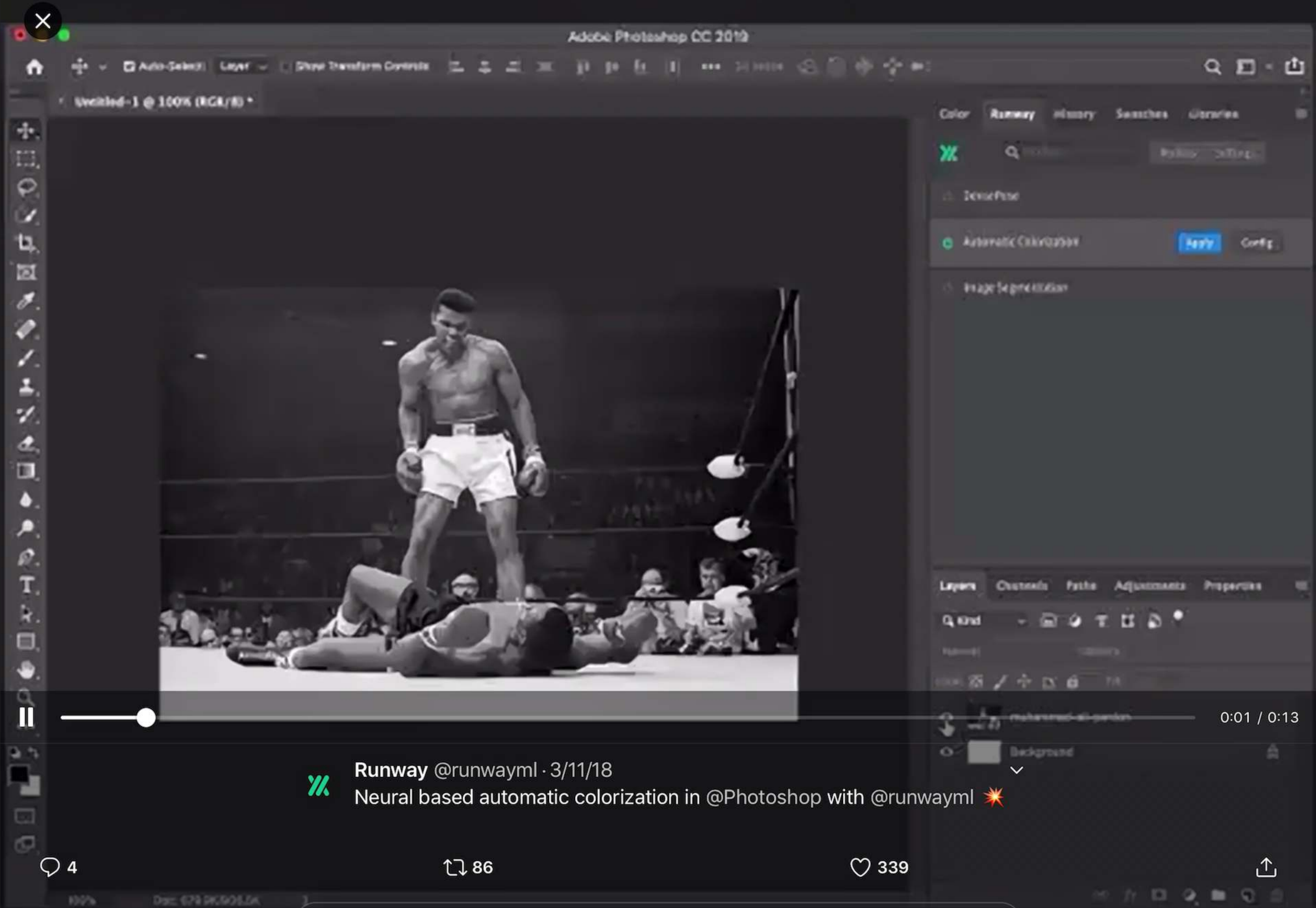
Deep Dream

<https://ai.googleblog.com/>



Comixify: Transform video into comics

<https://www.groundai.com/project/comixify-transform-video-into-a-comics/>



Runway @runwayml · 3/11/18
Neural based automatic colorization in @Photoshop with @runwayml 🌟

4

86

339

Tweet your reply







Google adding augmented reality feature to Maps

<https://bit.ly/2FzEOxr>



ViewRanger – Skyline

<https://www.viewranger.com/en-US/premium/skyline>

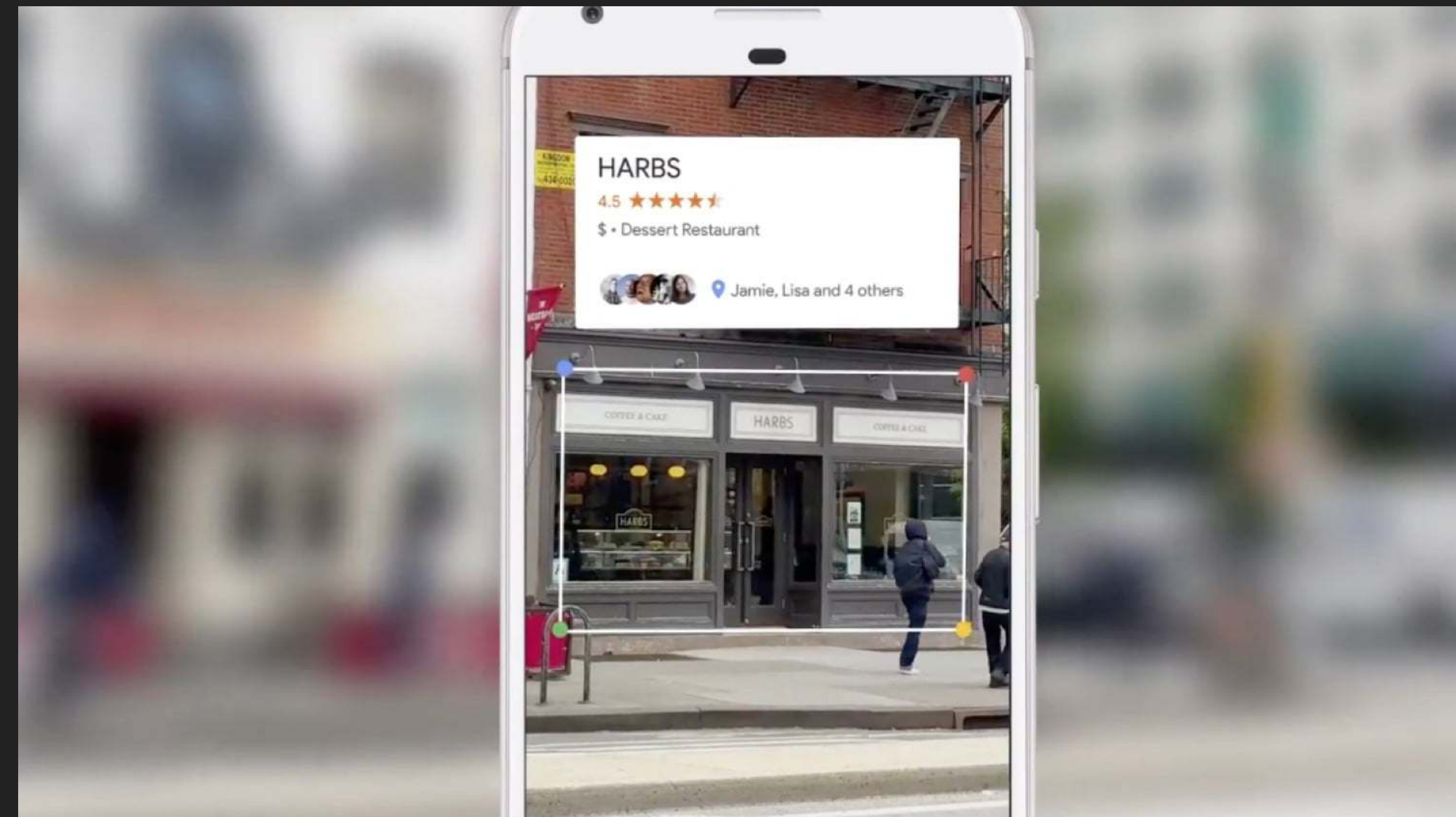
Wikitude World Browser

<https://www.wikitude.com/wikitude-world-browser-augmented-reality/>



Google Lens

<https://lens.google.com>

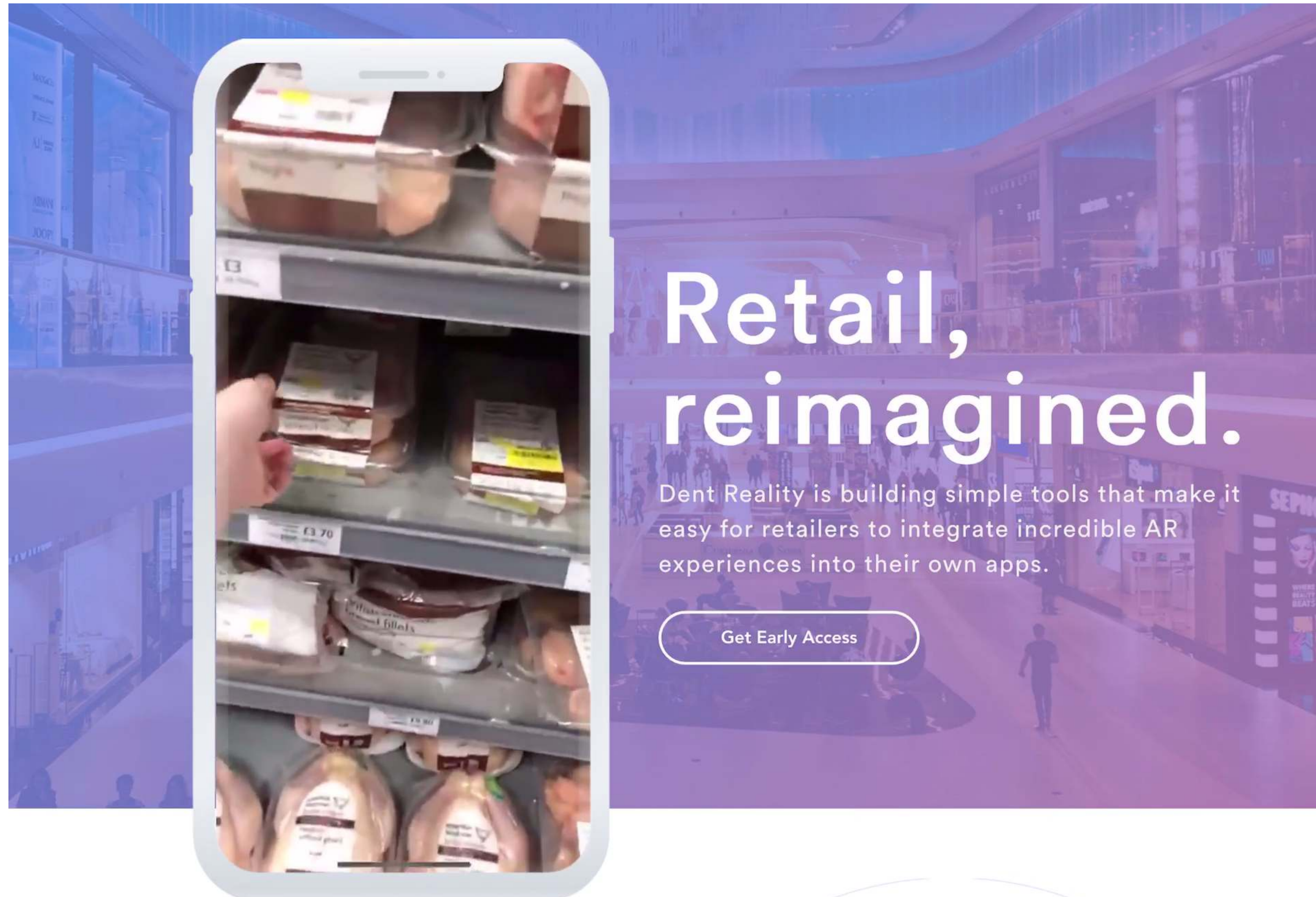






<https://wizardsunitehub.info/research/niantic-real-world-platform/>

AUGMENTED REALITY SHOPPING



IKEA AR



ACCESSIBILITY IN AR



<https://med.stanford.edu/news/all-news/2018/08/google-glass-helps-kids-with-autism-read-facial-expressions.html>

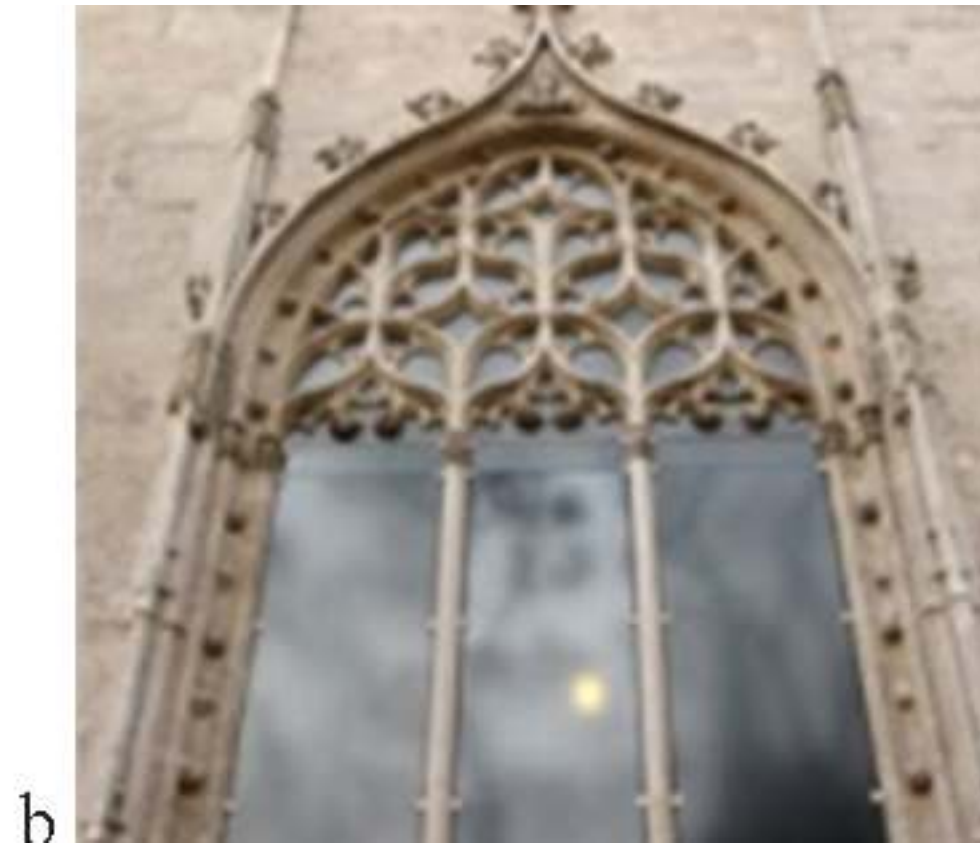


<https://consumer.huawei.com/au/campaign/storysign/>

HISTORICAL AR



a



b



Engineering Diagnostics

<https://bit.ly/2QKpAHM>



Medical Diagnostics

<https://bit.ly/2RtLQuA>



Advertising takeover

<https://bit.ly/2TPhfV7>



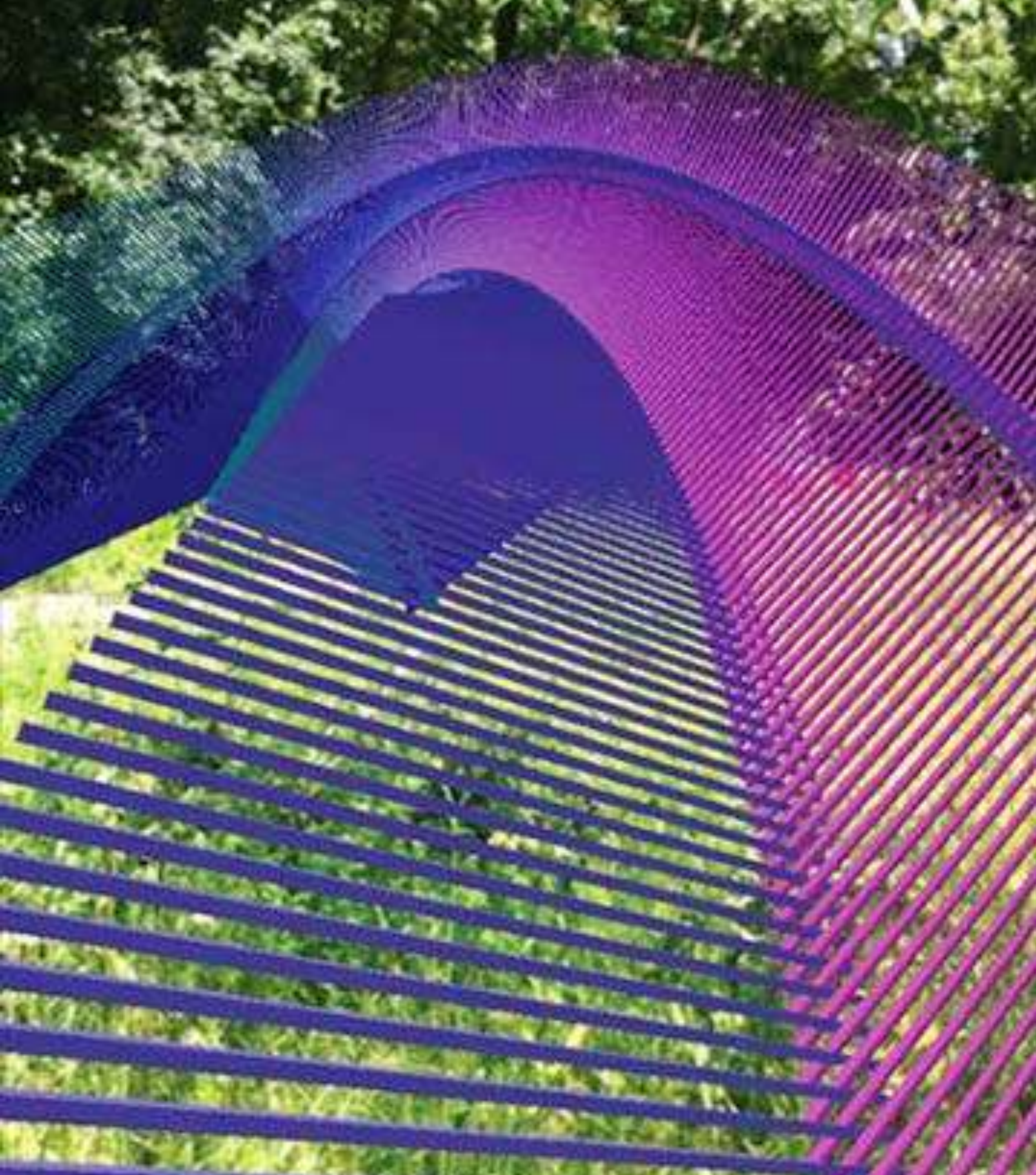
Hyper-Reality Keiichi Matsuda

<https://youtu.be/YJg02ivYzSs>



META SPACEGLASSES

<https://mikesouts.com/meta-spaceglasses-augmented-reality-glasses/>



Augmented Reality Meets the Art World

<https://www.apollo-magazine.com/augmented-reality/>

@MINXDRAGON

WWW.JROSENBAUM.COM.AU

THANKYOU

