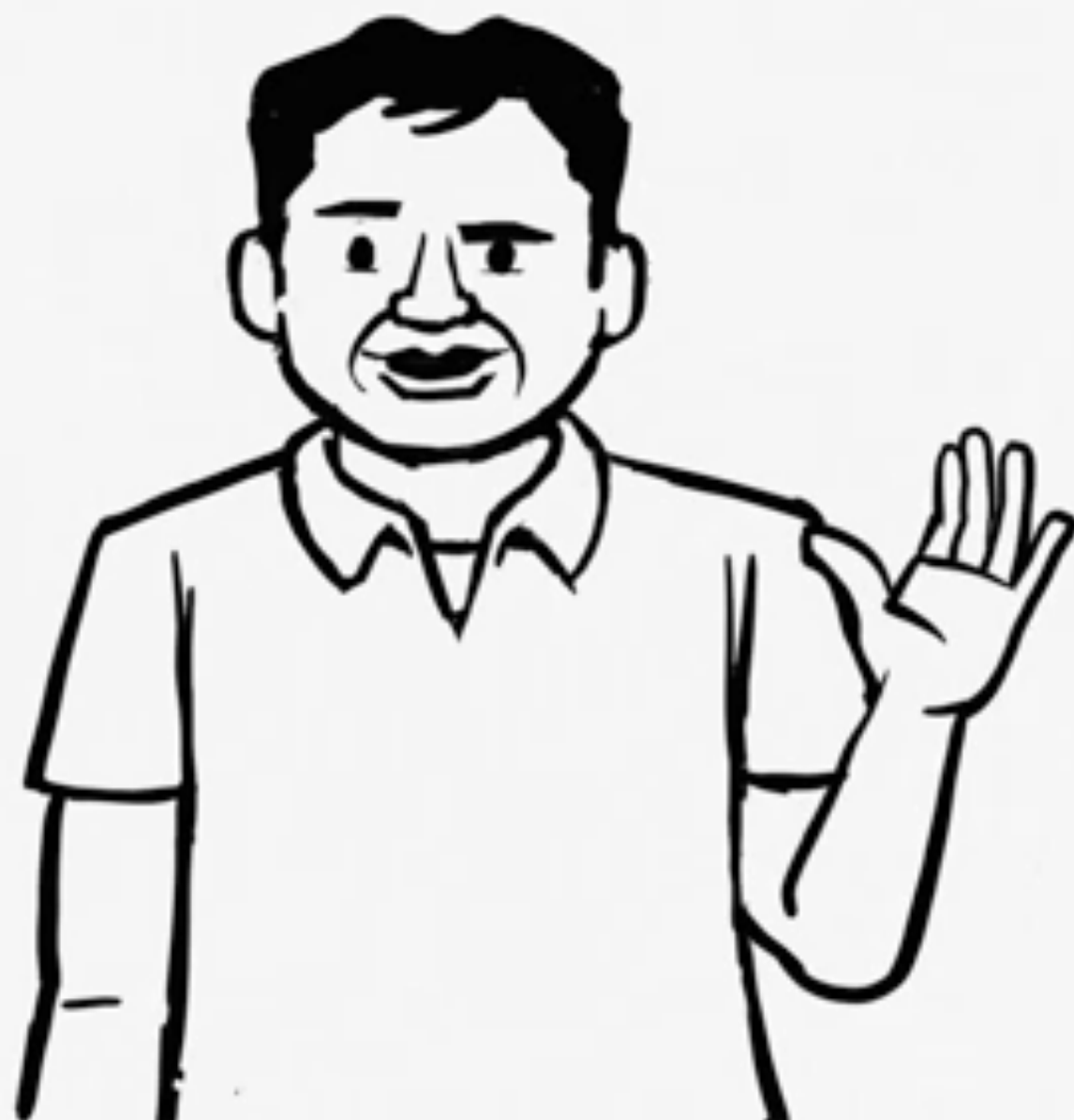




Applications of computer vision



Object Recognition



Toshiba Tech IS-910T

2013

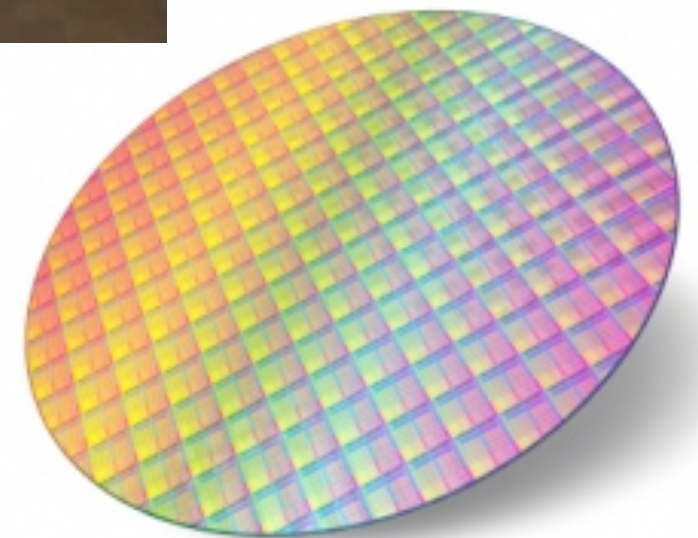


DataLogic LaneHawk LH4000

2012



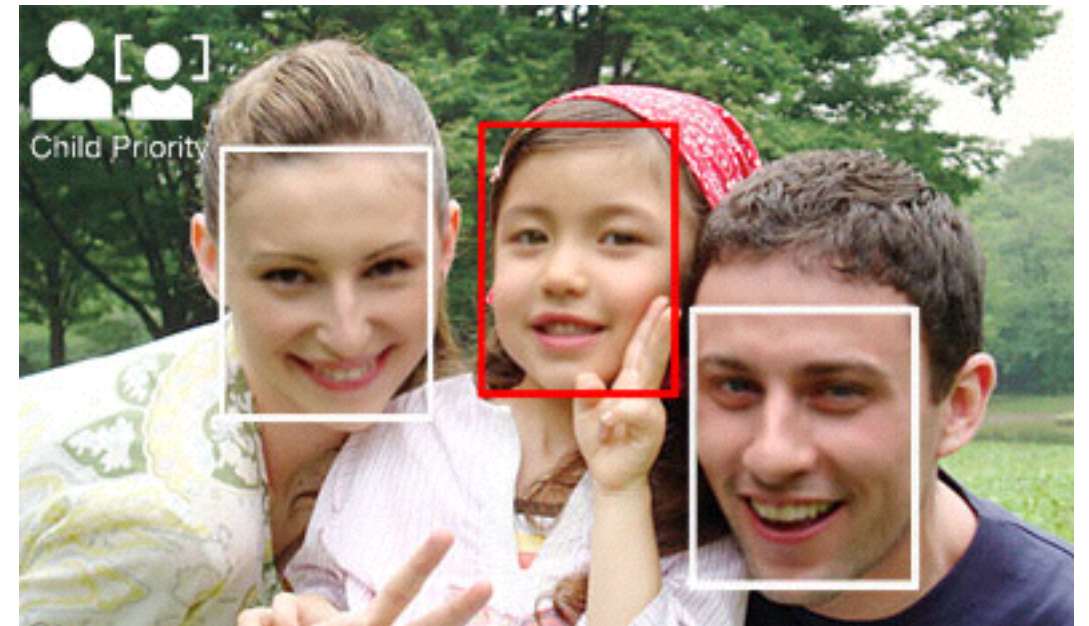
Automated visual inspection



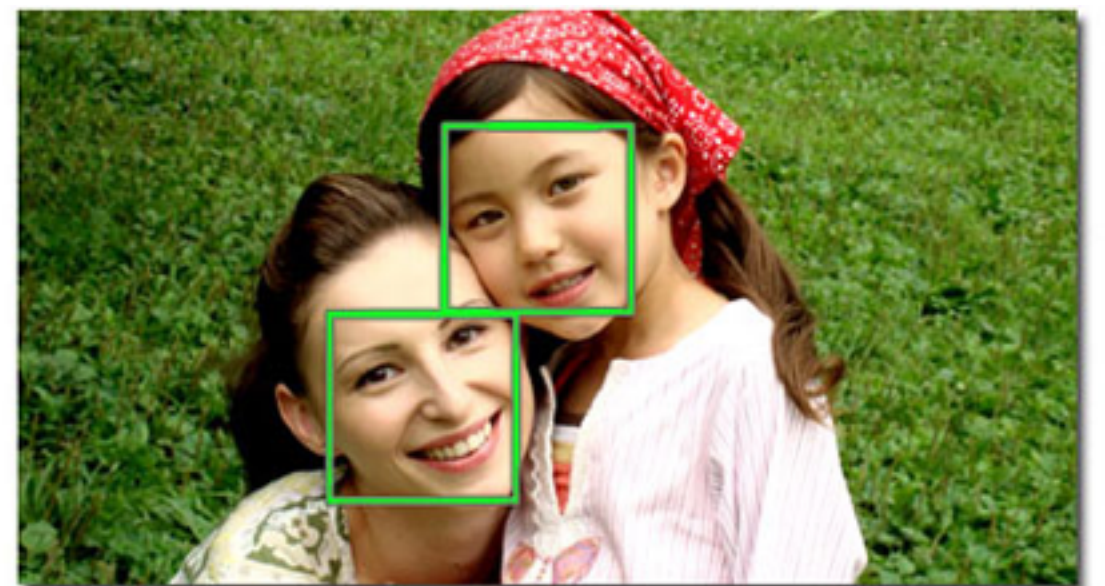
Face detection



Sony Cyber-shot



Age recognition



Smile recognition



skin filter

eye magnification

eye lash density

ミーハー女子♥3

Y BIJYO COCKTAIL 2

La femme

OH MY GIRL

Bijyo Cocktail

XOXO...♥2



Face makeovers



THE BRAINS BEHIND THE BEAUTY



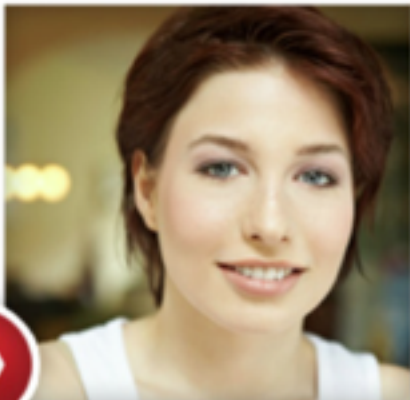
NEW iPhone
Hair Try On App



License TAAZ technology
for web, mobile, in-store

[HOME](#) [START MAKEOVER](#) [BROWSE LOOKS](#) [TRENDS](#) [ADVICE](#) [ABOUT](#)

Creating
your own
new look
is easy



1. upload your photo

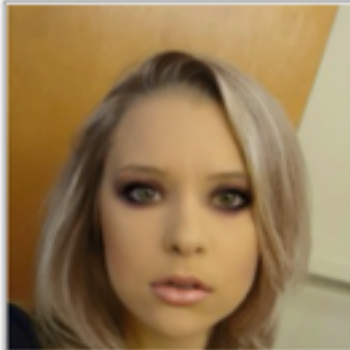


2. Apply some makeup



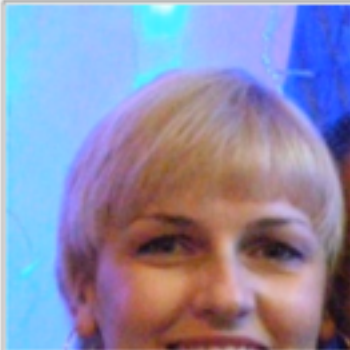
3. Choose a hairstyle

try
it
now!



TODAY'S FEATURED MAKEOVER
rtyjukilop.l,kmujny
By: **audreyrose26**
14  3 

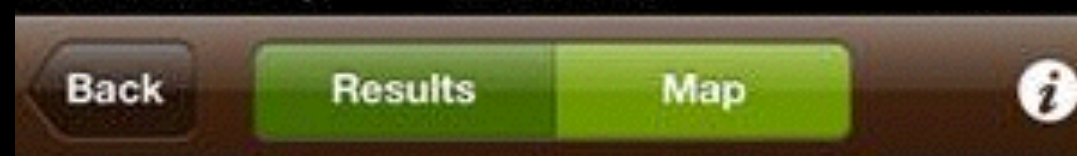
Create your own perfect look.
Try on hairstyles, colors & makeup
in the TAAZ Virtual Makeover.



TODAY'S FEATURED ADVICE QUESTION
which look is better?
Asked by: **KKsu**
1  1 

Ask your burning beauty question.
Our community and experts are here
to help!

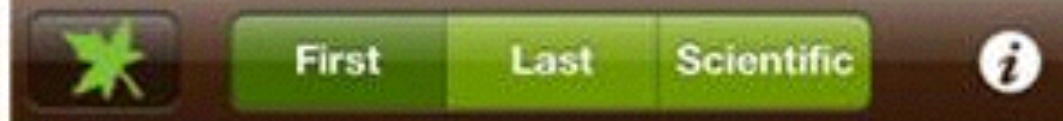
Verizon 12:38 PM



Snap It! Results

- 1  **Red Maple**
Acer rubrum
- 2  **Striped Maple**
Acer pensylvanicum
- 3  **Sycamore Maple**
Acer pseudoplatanus

12:20 PM 100%



Ilex opaca



American Hornbeam

Carpinus caroliniana



American Linden

Tilia americana



American Sycamore

Platanus occidentalis



Amur Corktree

Phellodendron amurense

Q
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Y





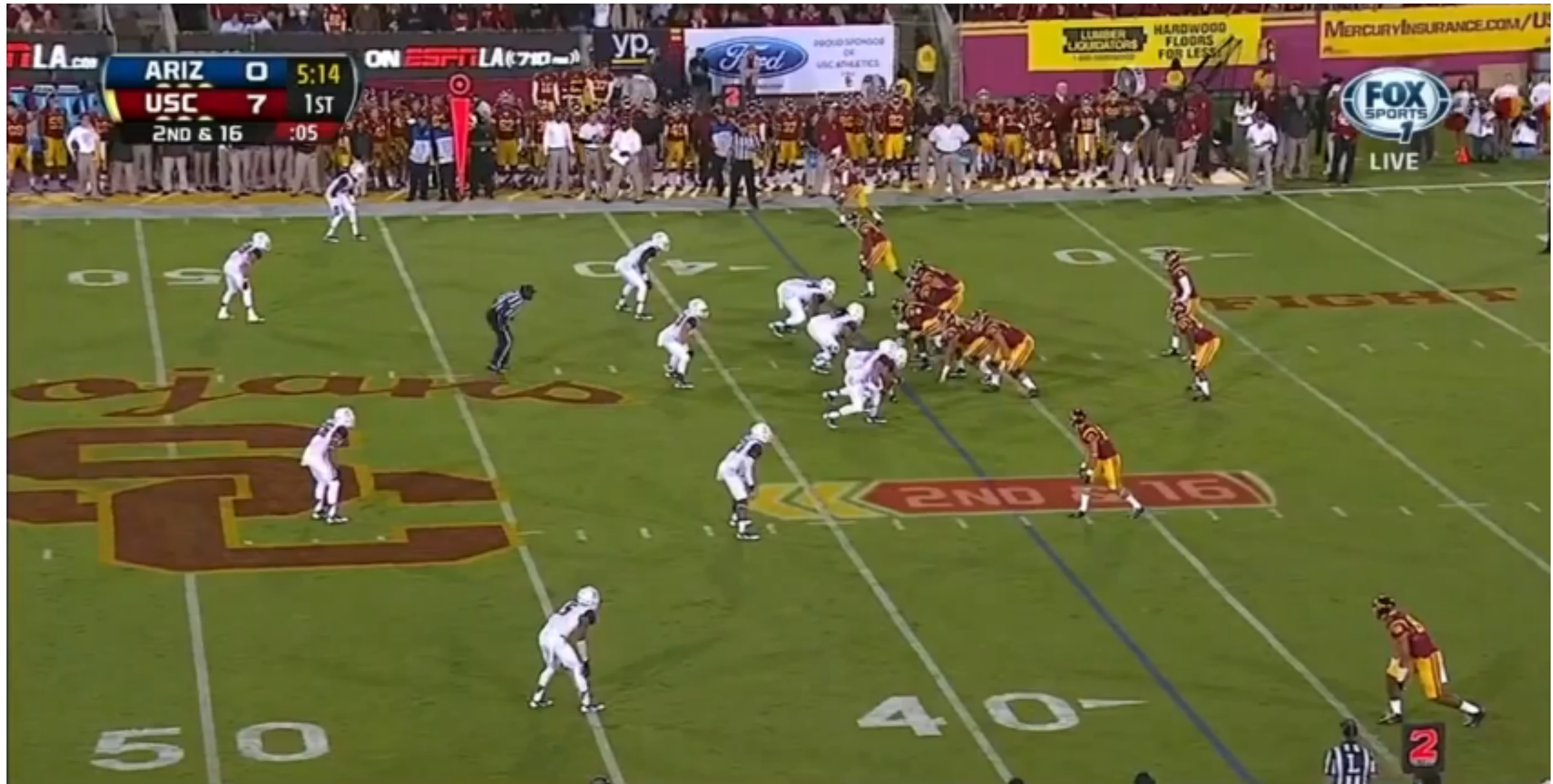
Word Lens



Word Lens

www.QuestVisual.com

First-down line





BMW 5 series

BMW night vision





“Around view” camera

Infinity EX





The system converts image data taken by 4 super-wide angle cameras, to display a virtual image of the vehicle from above.

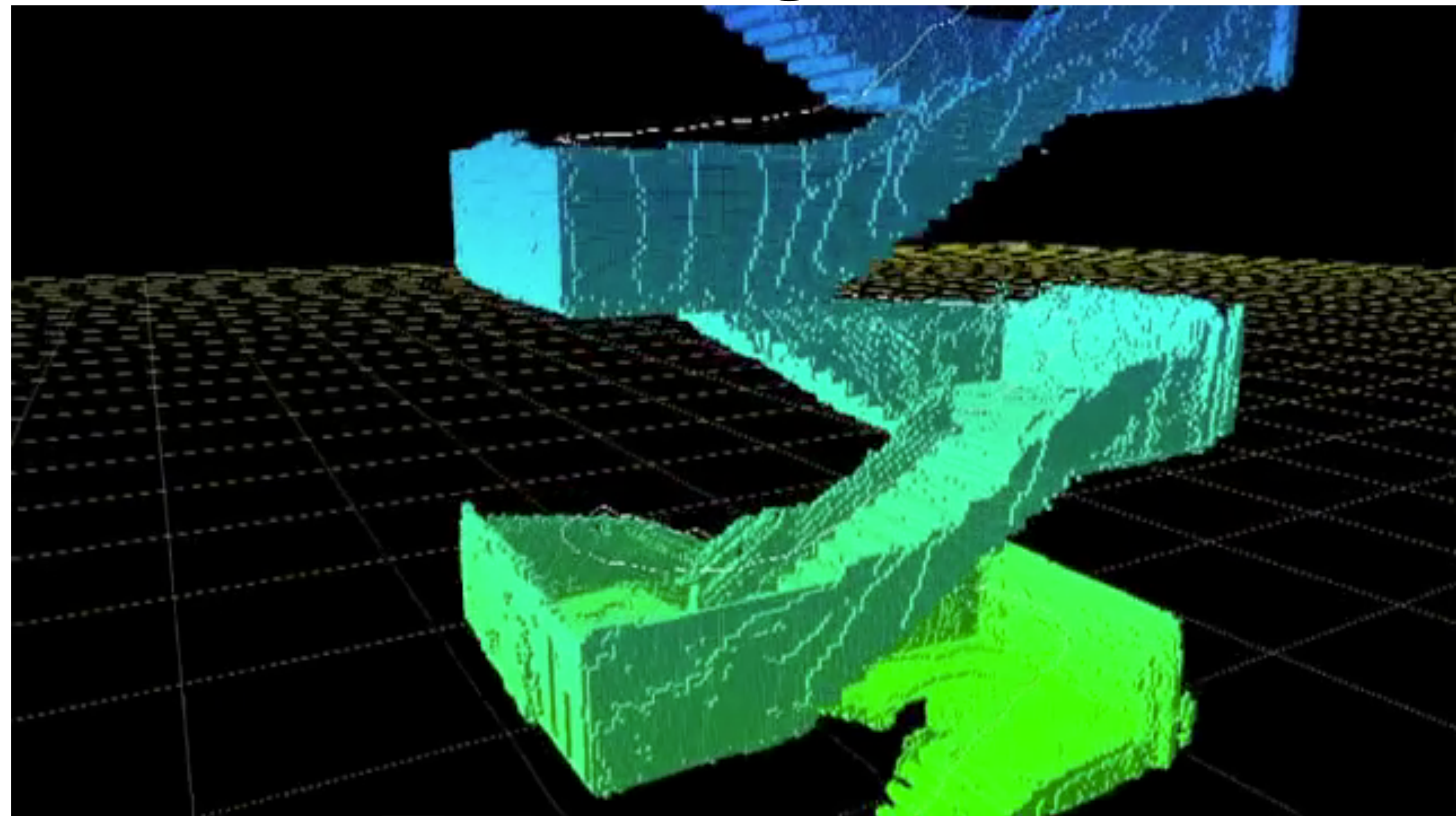
Image stitching



Photosynth



Tango



Virtual Fitting



Computer Vision for VR

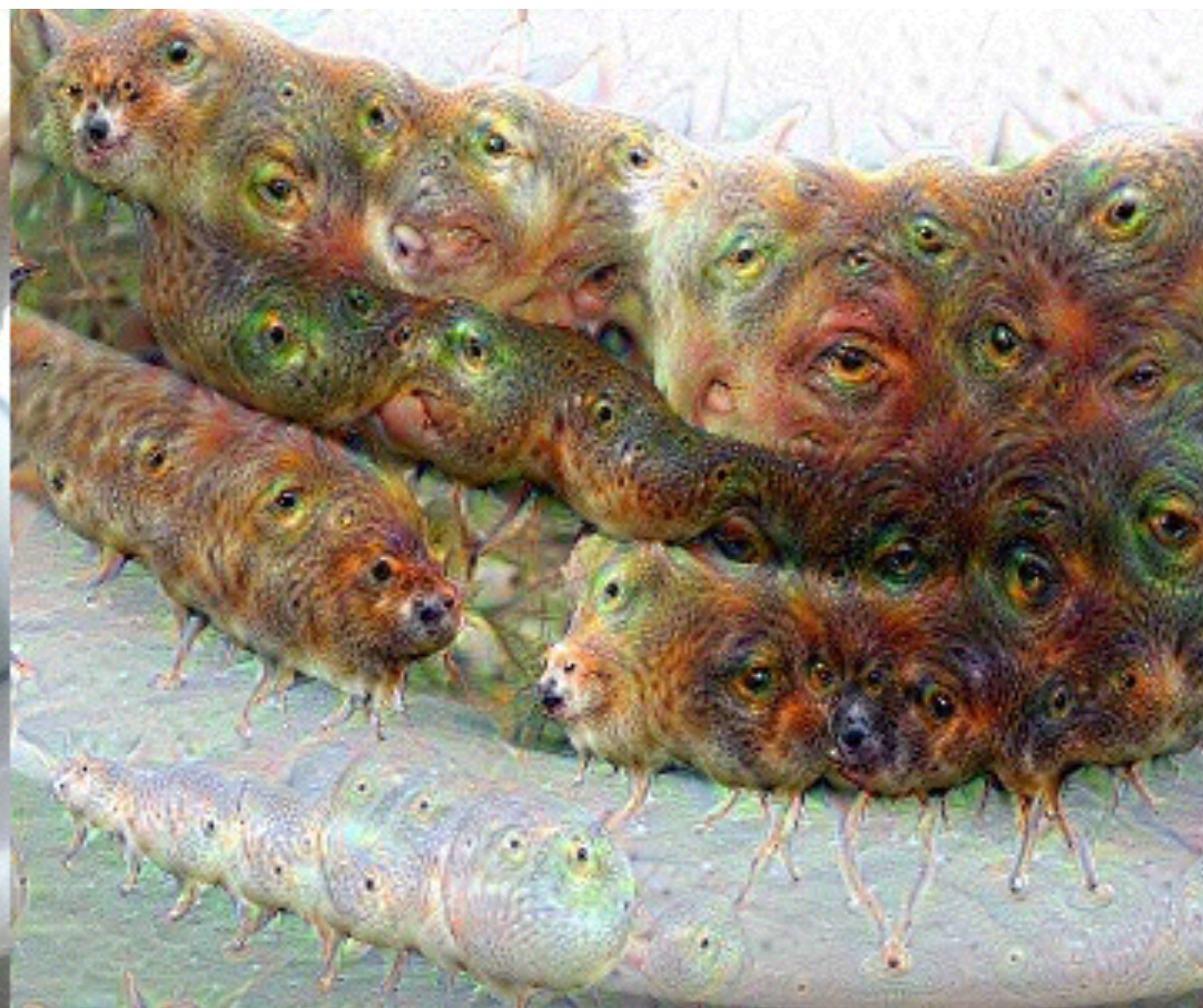


2014

Deep Face



Deep Dream



Vision in Cars





Facebook video style transfer 2016

Face2Face: Real-time Face Capture and Reenactment of RGB Videos

*Justus Thies¹, Michael Zollhöfer²,
Marc Stamminger¹, Christian Theobalt²,
Matthias Nießner³*

¹University of Erlangen-Nuremberg

²Max-Planck-Institute for Informatics

³Stanford University

CVPR 2016 (Oral)

Industry aggressively hiring CV faculty from universities



NYU



UW



USC



UW



Dropbox



UCSD



Columbia

amazon.com®



NYU



CMU

CMU



CMU



CMU



CMU



CMU



Stanford



Toronto



UW

Masters in Computer Vision at CMU