

# Face Tracking in Augmented and Virtual Reality

**Gordan Kreković** CEO, Visage Technologies







#### Required skills

— Technical complexity







Augmentations	Modifications
Makeup	Jaw contour
Glasses	Lip enhance
Jewelry	Skin texture
Colored lens	Undereye
Masks	

Animation

3D avatars with realistic facial expressions





















































# visage|SDK

95 landmarks

30 fps on smartphones

100 fps on desktops



Mobile AR

Apple ARKit 2.0

Google ARCore

Facebook Spark AR

850 M Installed based





## Smart Mirrors



Estimated CAGR (by Big Market Research): +11.7% from 2019 fo 2026

## Smartglasses

Enterprise focused

Millions of users by 2023 (forecasted by Digi-Capital)

Revenue driver: hardware sales and enterprise software





# Examples and case studies



#### GUERLAIN



Guerlain

In-store smart mirrors



**L'Oreal** In-store application for L'Oreal s China subsidiary



NARS Pairs In-store smart mirrors



**CALRNIS** Pairs

Virtual makeup smart mirrors for exhibitions



**Giorgio Armani | Scozzese and Uprising** *Virtual eyewear try-on* 

# #SayYesToTheWorld



**Disney | BETC** Character animation based on face tracking







# Thank you!

**Gordan Kreković** CEO, Visage Technologies