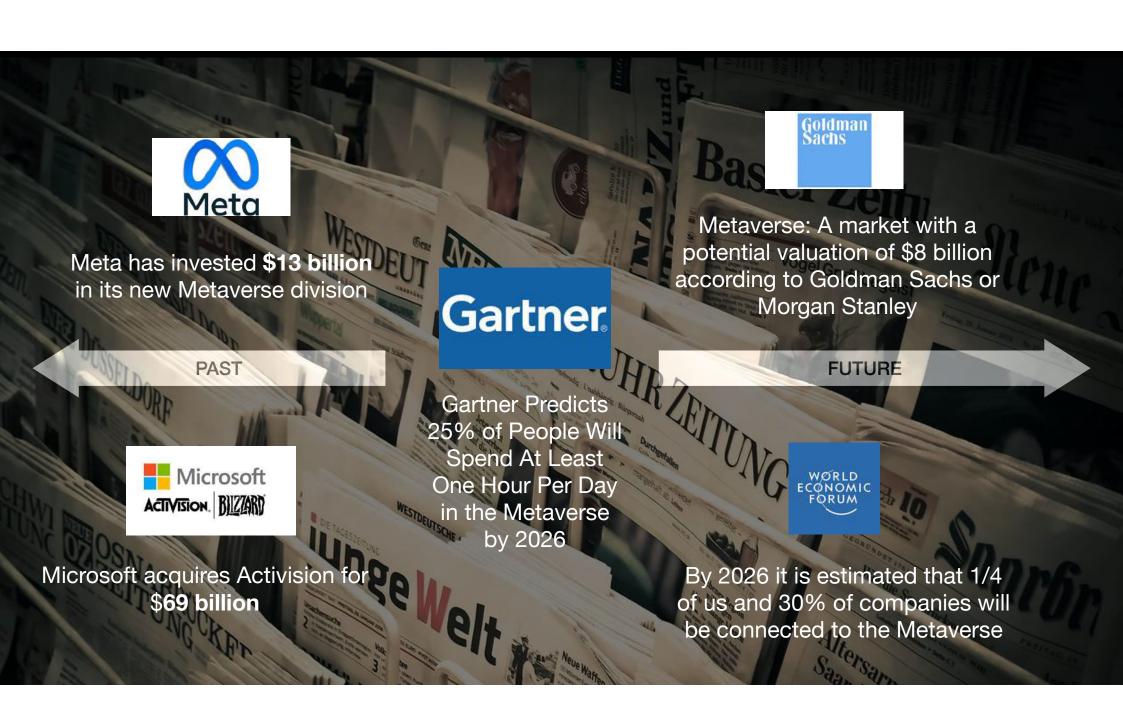


METAVERSE:~# ./news.sh



METAVERSE:~# ./definition.sh



The term METAVERS originates from the first time in the novel "Snow Crash" by Neal Stephenson in 1992.

"A three-dimensional virtual zone in which humans, represented by avatars, interact in various ways"

HBO Max is developing new series



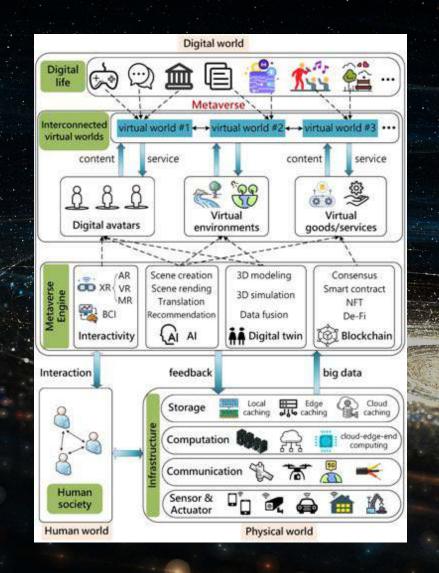


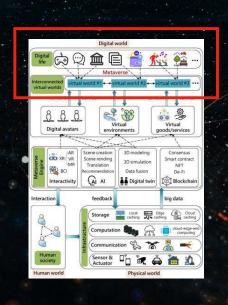


One of the largest virtual worlds actually

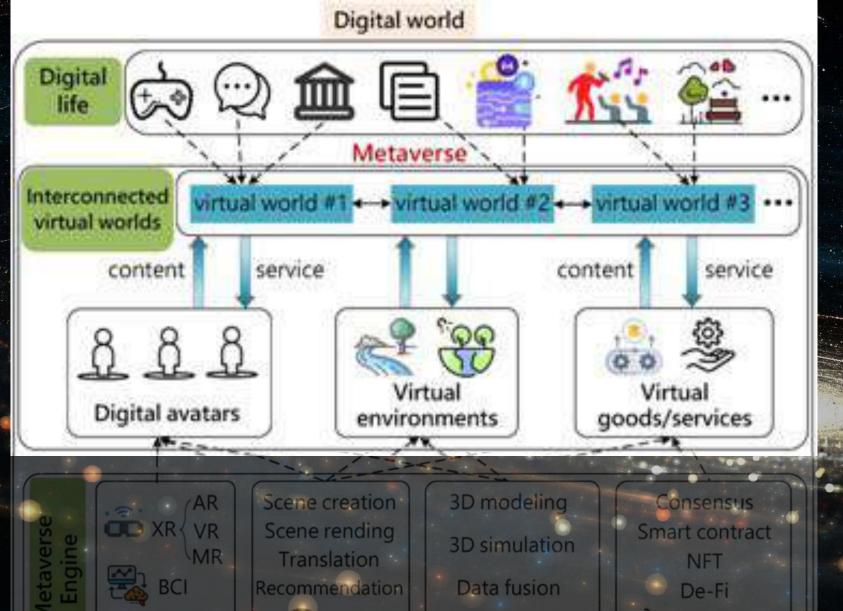
METAVERSE:~# ./research.sh

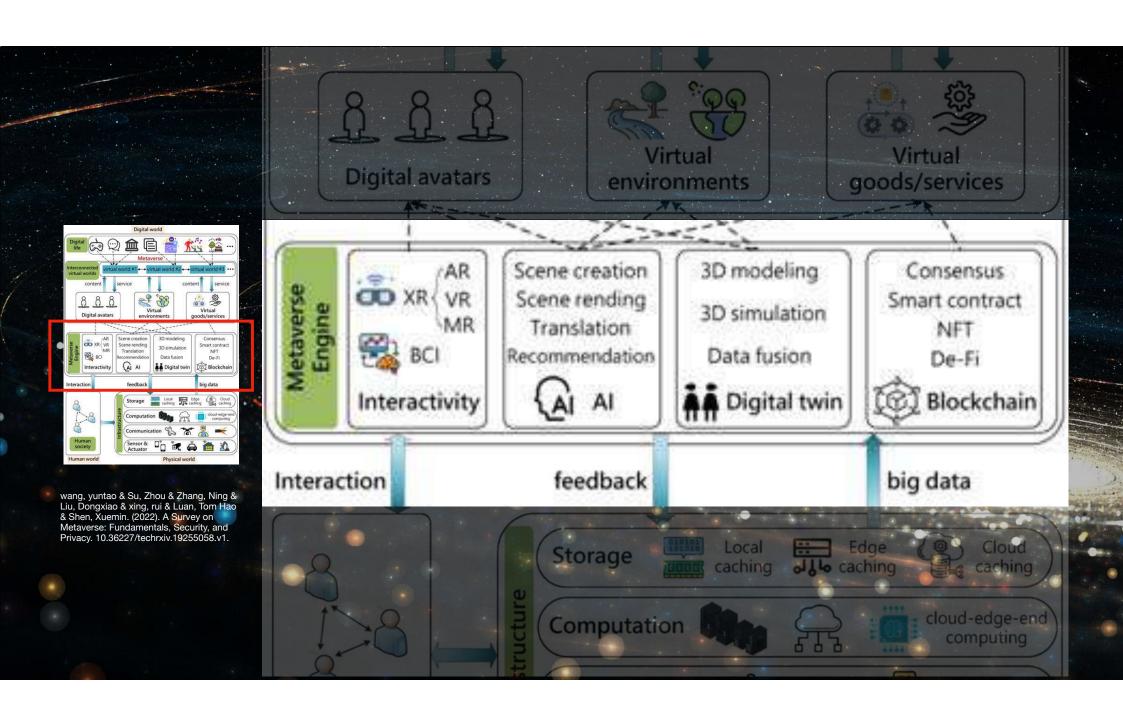
wang, yuntao & Su, Zhou & Zhang, Ning & Liu, Dongxiao & xing, rui & Luan, Tom Hao & Shen, Xuemin. (March, 2022). A Survey on Metaverse: Fundamentals, Security, and Privacy. 10.36227/techrxiv.19255058.v1.

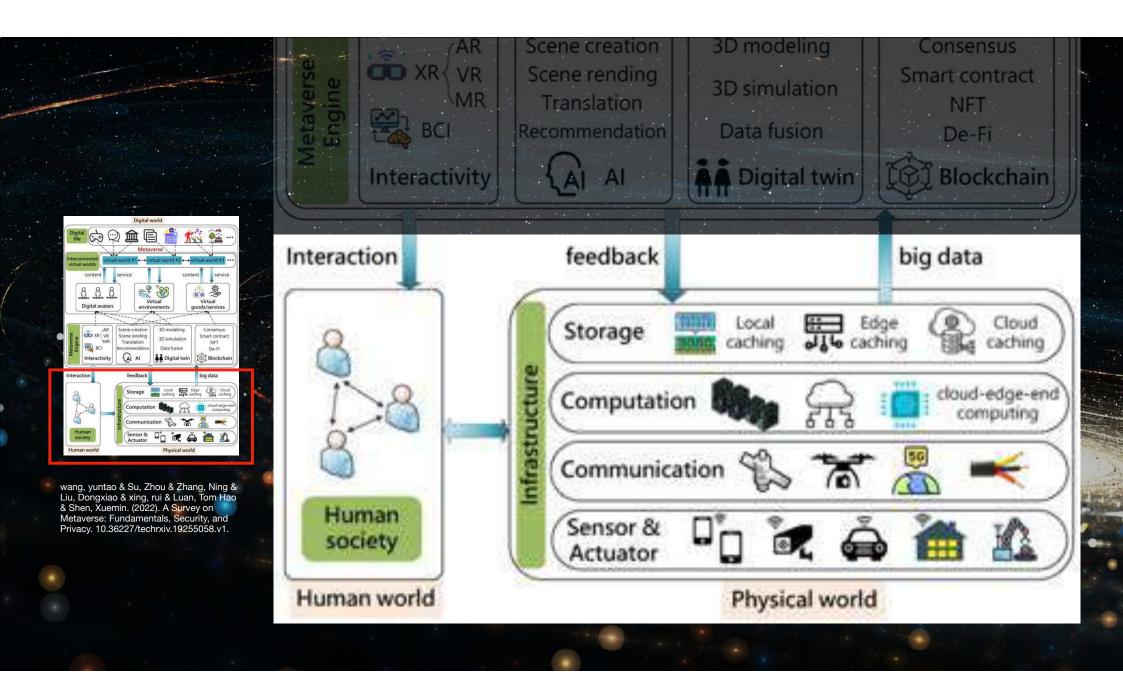




wang, yuntao & Su, Zhou & Zhang, Ning & Liu, Dongxiao & xing, rui & Luan, Tom Hao & Shen, Xuemin. (2022). A Survey on Metaverse: Fundamentals, Security, and Privacy. 10.36227/techrxiv.19255058.v1.







METAVERSE: ~# ./companies.sh

Research Brief by CBINSIGHTS:

Infrastructure

Visualization

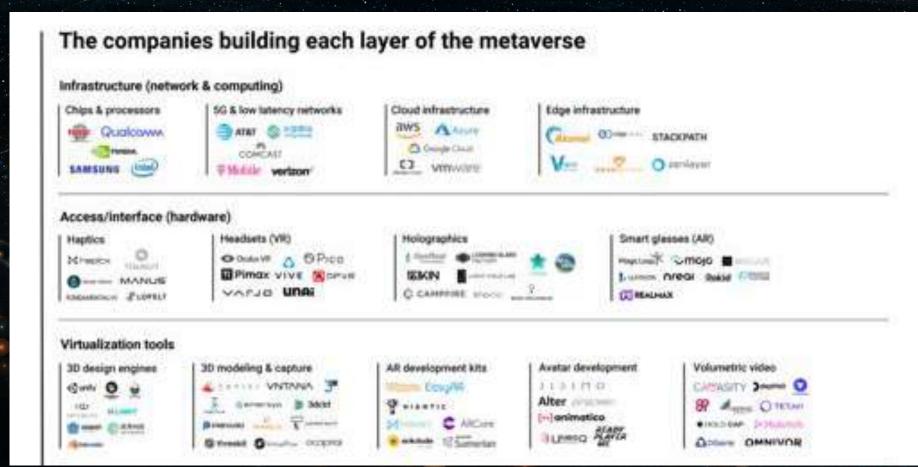
Virtual Worlds

Economics

Experiences

Access

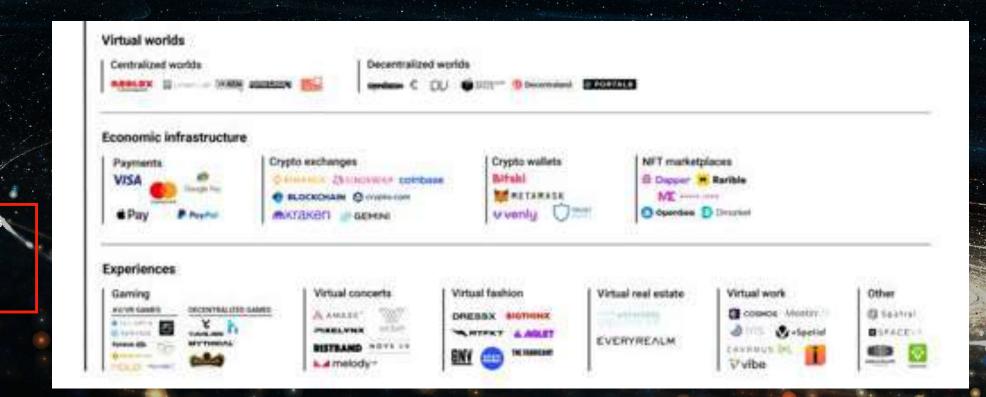
The metaverse could be tech's next trillion-dollar opportunity: These are the companies making it a reality



https://www.cbinsights.com/research/metaverse-market-map/

Research Brief by CBINSIGHTS:

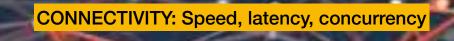
The metaverse could be tech's next trillion-dollar opportunity: These are the companies making it a reality



- Infrastructure
- Access
- Visualization
- Virtual Worlds
- Economics
- Experiences



METAVERSE:~# ./connectivity.sh



Comparativa LTE vs 5G







40 ms

de latericio



10 veces misrápido que el 40 KSL leg



4 a 5 ma dw latericle.





FACIL implementación





1006 mar. de duración de la bateria





notic de aborro energático por servicio prestado.





Hasta 1,000,006 the dispositivos connected as pior horif



Network Sliting

Cappacidad stepped differential teday condivenidad or siveles deservicio adaptados a tada 9000 Hd 68



Multi-access Edge Computing

Capacidation realism computation religion acrycambyte of pricario



Massive Multiple

Digirodiable desente de hasta 1 million de drugestrives per lass. Alumbrado

Input Multiple Output



Beamforming

Optomization do No. Persystems Facility the (Early). flaces (linececoules y therefores, an function the sa demanda





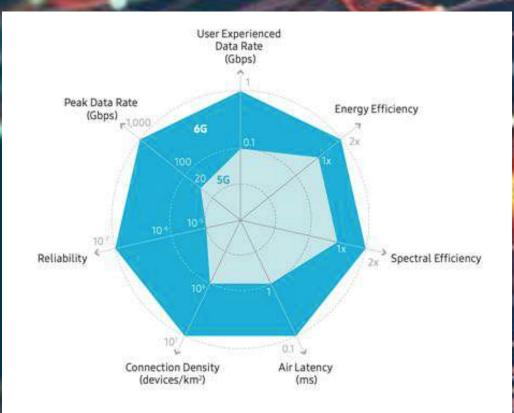
6G

The Next
Hyper Connected
Experience for All.

https://cdn.codeground.org/nsr/downloads/researchareas/6G%20Vision.pdf



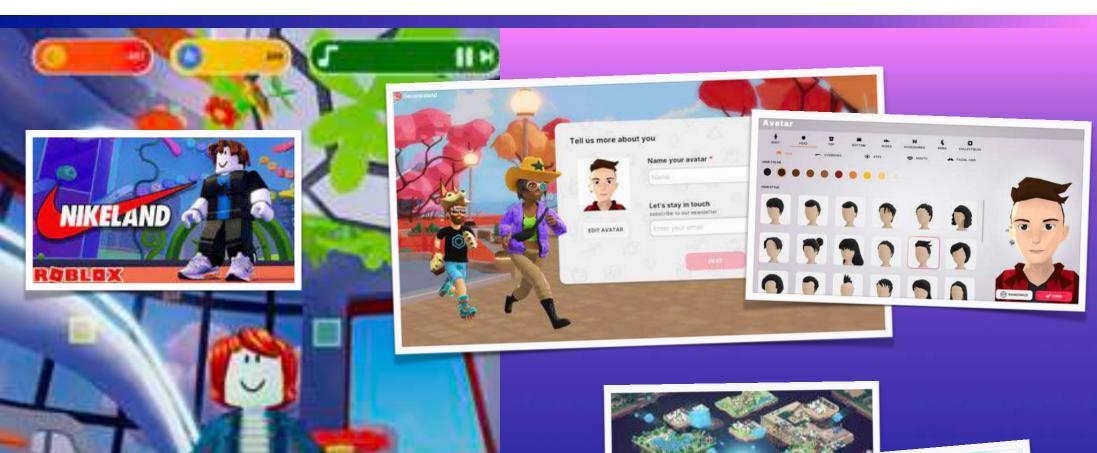
Key points comparison between 5G and 6G (by Samsung)



Reasons why 5G is not successful

- Slow deployment (EU 10%)
 - Regulatory aspects (frequencies)
 - ROI network infrastructure
- Nobody need it!
 - 5G commercial: I do not want more speed!!
 - 5G private network: "no killer APP!!"

METAVERSE:~# ./worlds.sh





Buy virtual items with virtual currency (ROBUX) that you buy with real currency

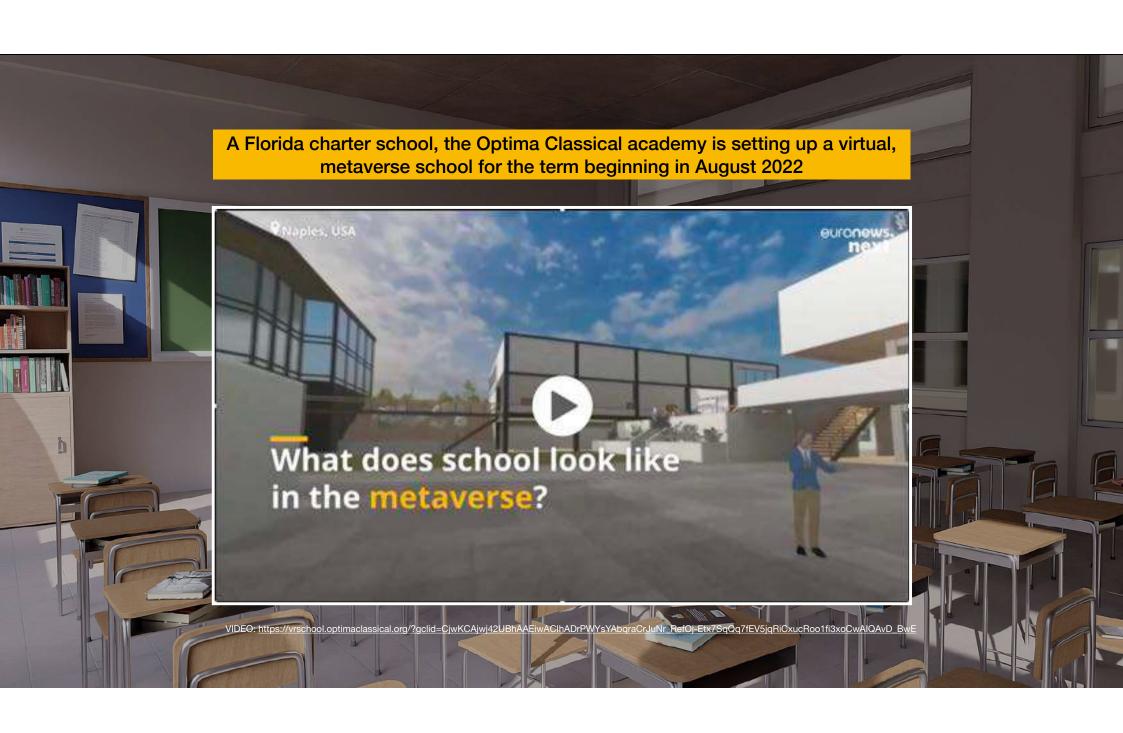
METAVERSE:~# ./use cases.sh

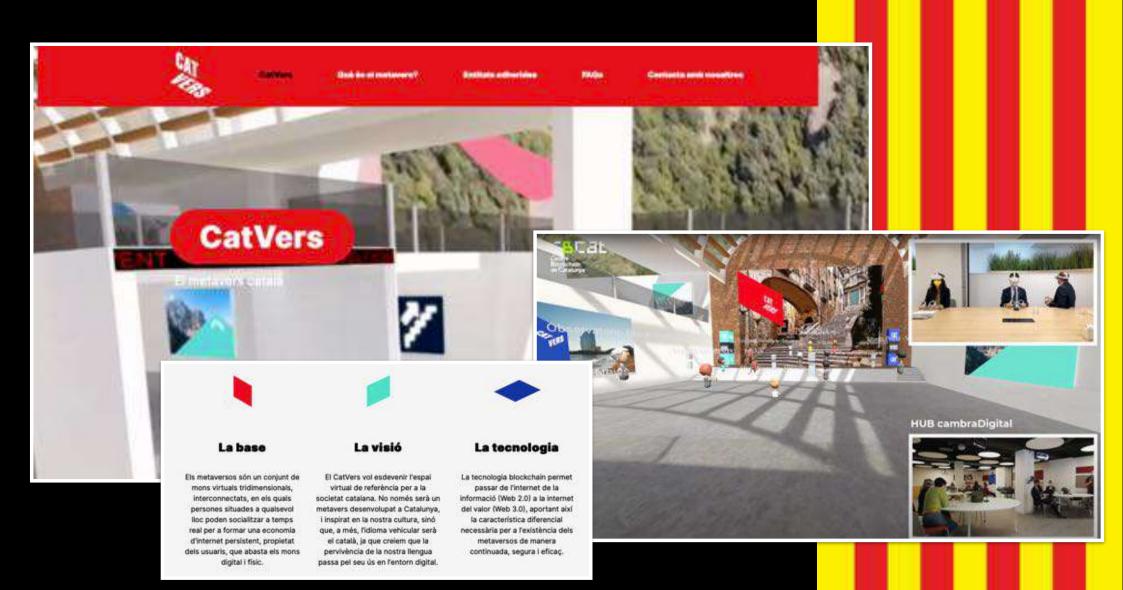


Metaverse Fashion Week











METAVERSE: ~# ./interfaces.sh

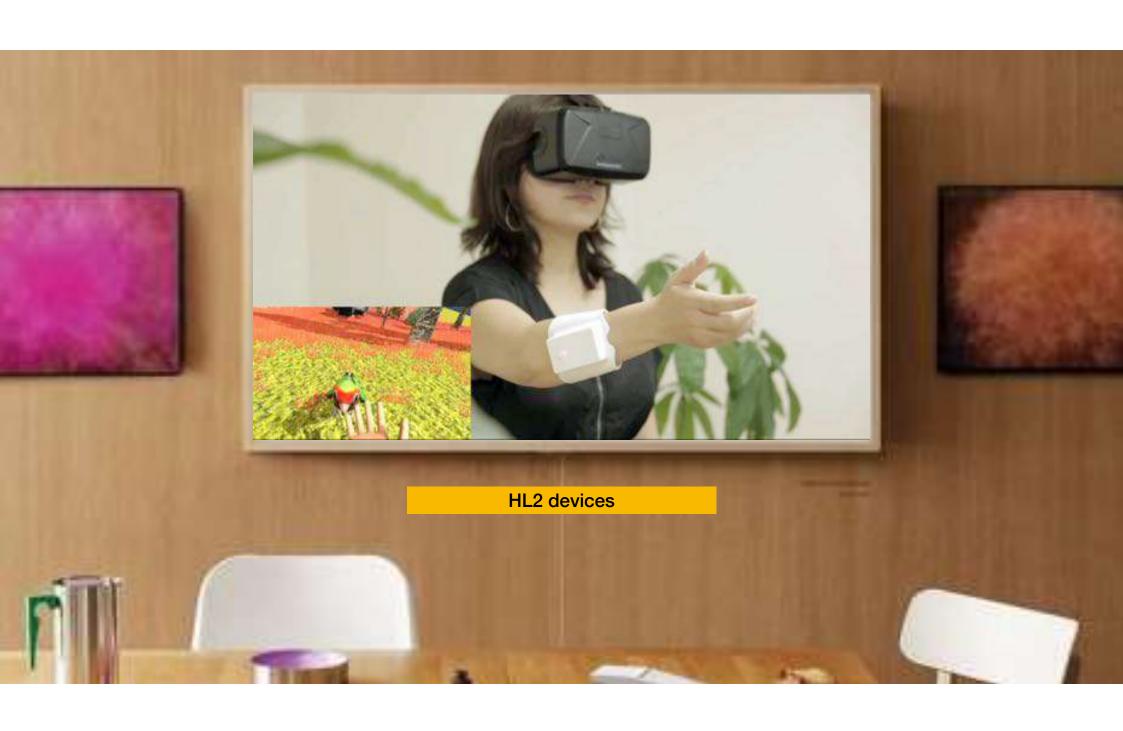






OCULUS QUEST 2 VR 349€







Virtual reality immersion equipment

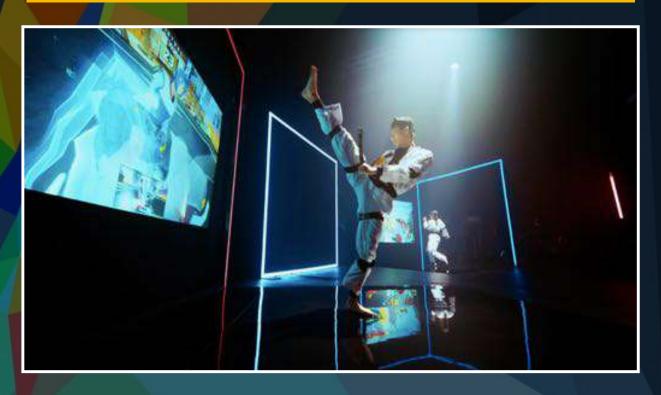
Haptic dress

- Up to 128 biometric sensors
- Thermal sensations of hot and cold
- Feeling the weight of an object or the impact against the body
- Motion-capture
- Etc.



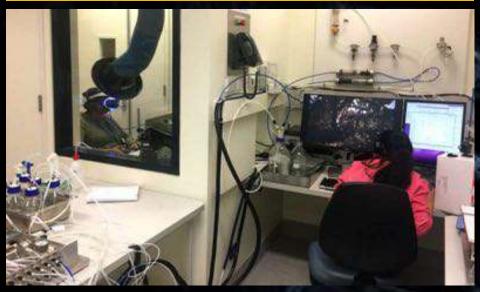
 $VIDEO: \underline{https://www.youtube.com/shorts/4DdFmv4qqS0}\\$





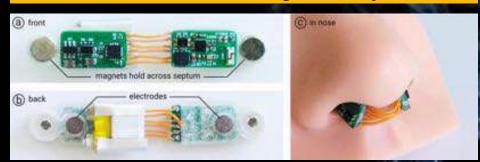
VIDEO: https://www.youtube.com/watch?v=EMjNvdLEs2k

Smell significantly enhances sense of realism in virtual reality, researchers find



Nicholas S. Archer et al, Odour enhances the sense of presence in a virtual reality environment, PLOS ONE (2022). DOI: 10.1371/journal.pone.0265039

Smell-O-Vision: This nose-zapping wearable simulates smell using electricity



Human-Computer Integration Laboratory, University of Chicago

Want to smell in virtual reality? A Vermont-based startup has the technology





METAVERSE: ~# ./web3.sh

Distributed Ledger Technology

- Decentralized network
 - No central authority acting as referee and verification
- Interoperability -> consensus -> normalization !=
 interests != control != lobbies
- Block chain
 - Traceable
 - Auditable
 - Safe
 - Immutable
- Digital identity
- DeFi
- NFT



KWY WARRY

Una Marilyn de Andy Warhol se convierte en la obra de arte más cara del siglo XX

MANUARCRIN SHICKEZ WILLELD | Name Not | 50 MW 2002 - 6514 DDY

Christie's subasta en Nueva York una serigrafía del artista pop por 196 miliones de dólares, por escima del récord que ostentaba un Picasso vendido en 2015 por 170 miliones



The Bored Ape Yacth Club Collection has 10,000 NFTs of different characteristics.

The prices range from \$314 to \$3,4 milion.

One person has several Bored Apes for a total value of \$24,5 million.

A few days ago they sold 11% of the company for €450M, obtaining a total valuation of the company of \$4 billion.

Last year they invoiced \$127 milion at 92% profit.





Man who paid \$2.9m for NFT of Jack Dorsey's first tweet set to lose almost \$2.9m

First attempt approx. \$300, second approx. \$7,000



Sina Estavi, CEO of crypto exchange Bridge Oracle Photograph: Mehran Harati/Reuters

What do these brands have in common?

Alfa Romeo, McDonald's, Nike, Adidas, Prada, Gucci, Tommy Hilfiger, Coca-cola, Pepsi, The Beatles, Ubisoft, Premier League, Disney, NBA, Taco Bell, Electronic Arts, Habbo, …

They are all experimenting with NFT







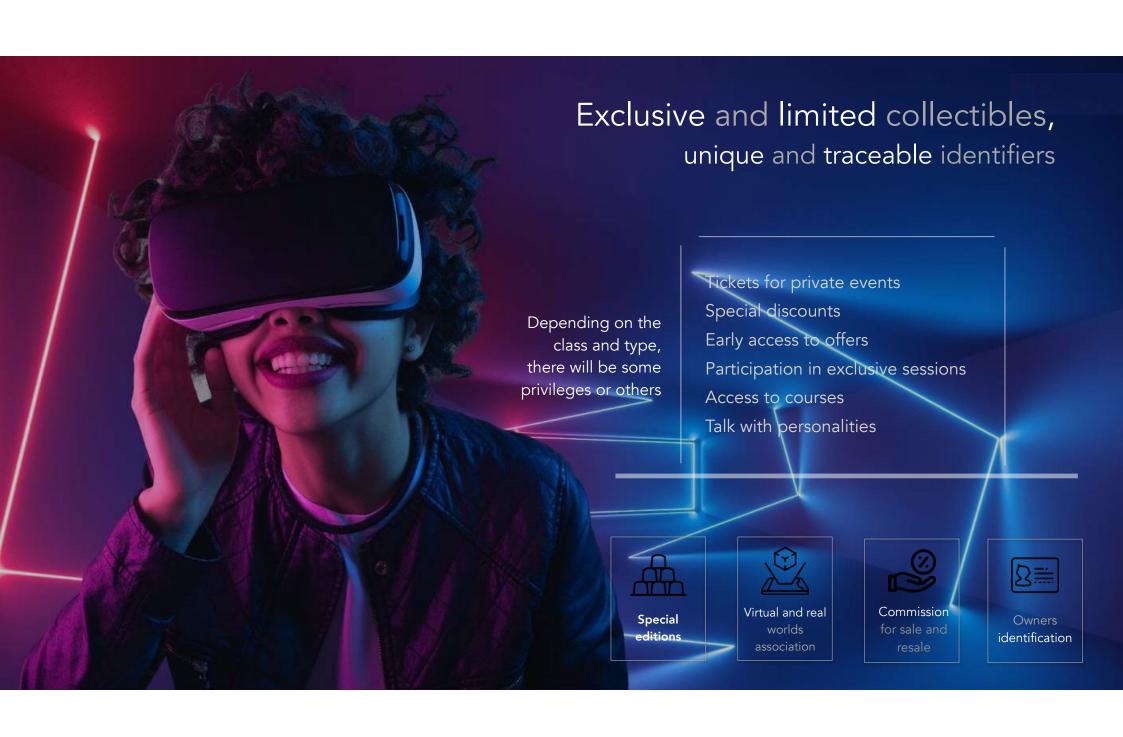










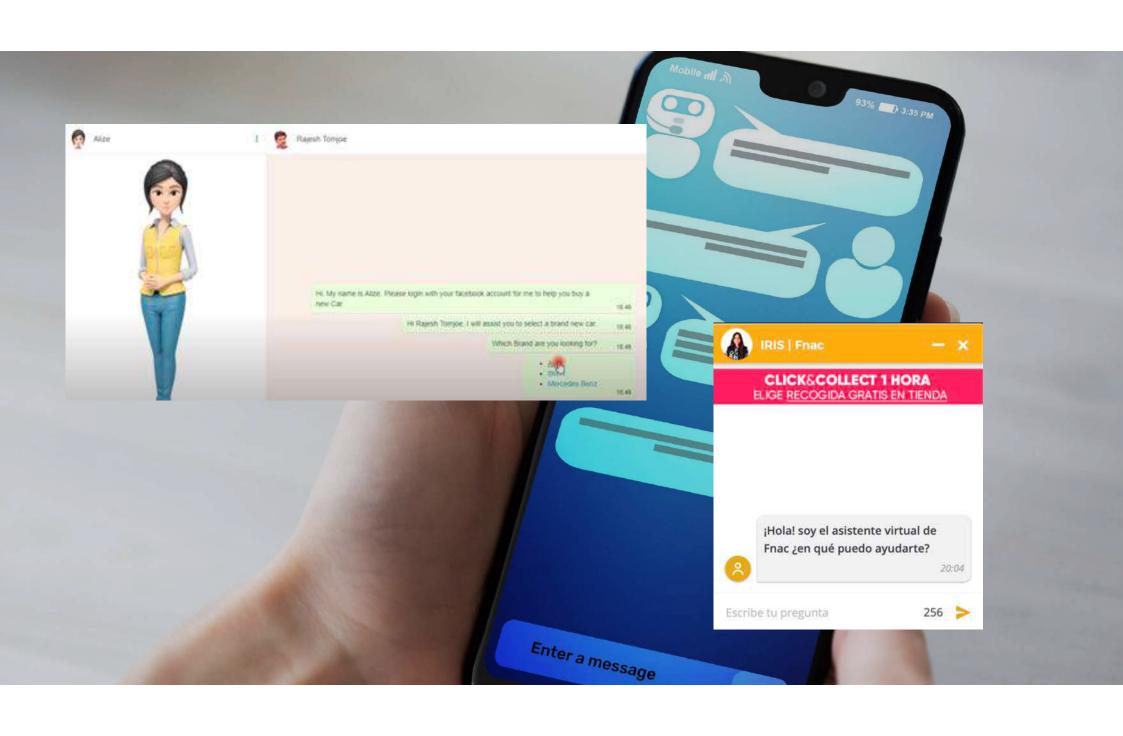


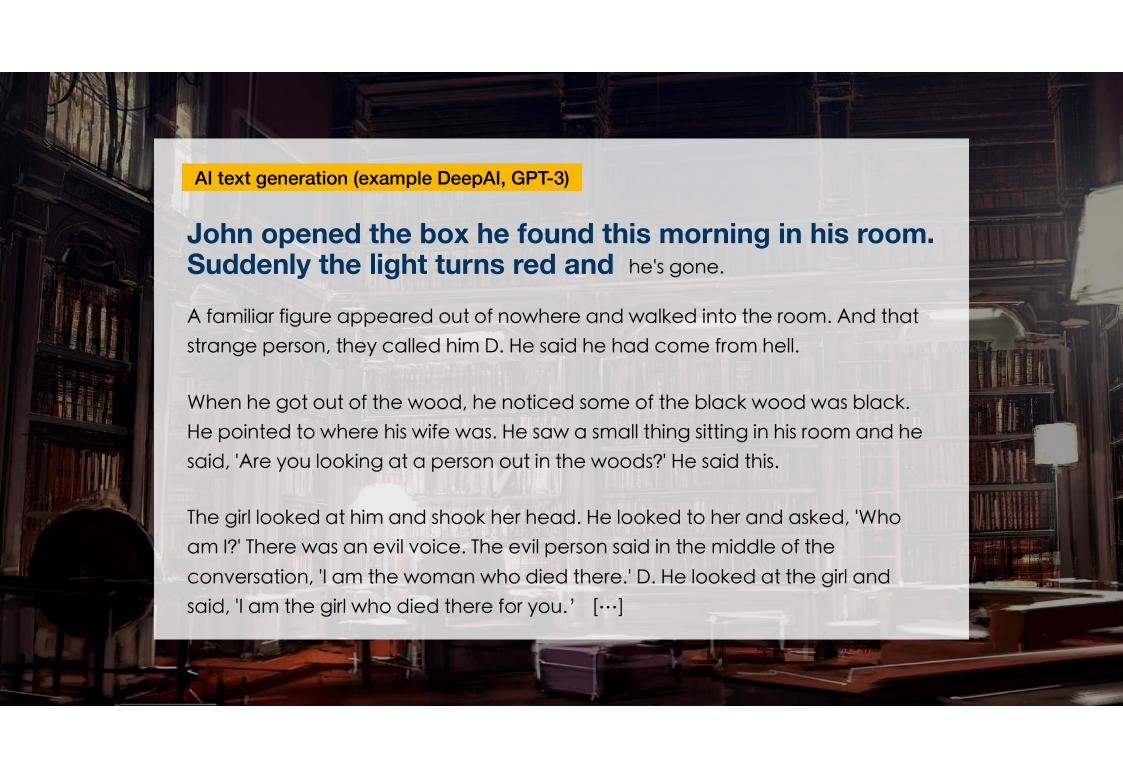


VIDEO: https://www.youtube.com/watch?v=D9K45rDbA4

METAVERSE:~# ./ai.sh







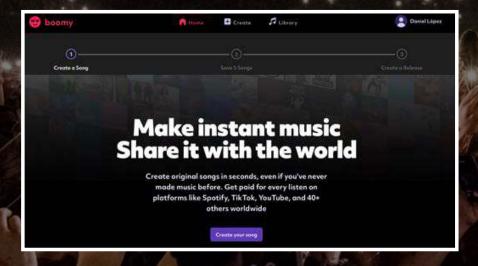




and music

27.28
Octubre 2021
Barcelona

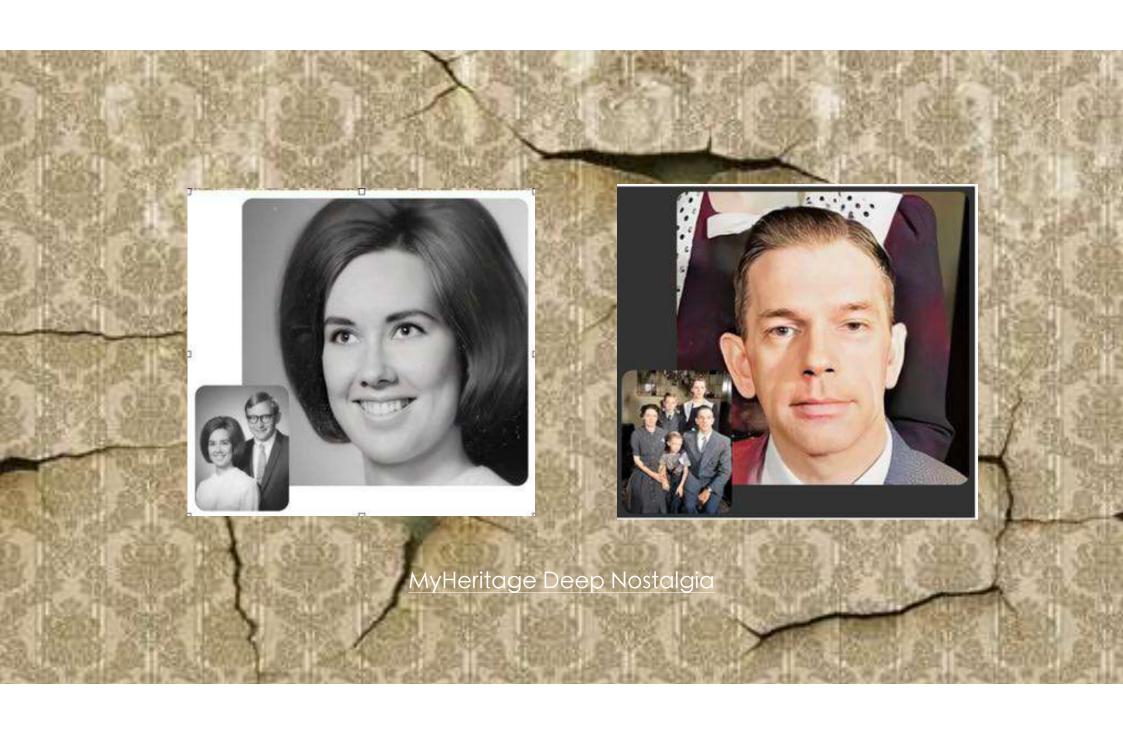
S+T+ARTS





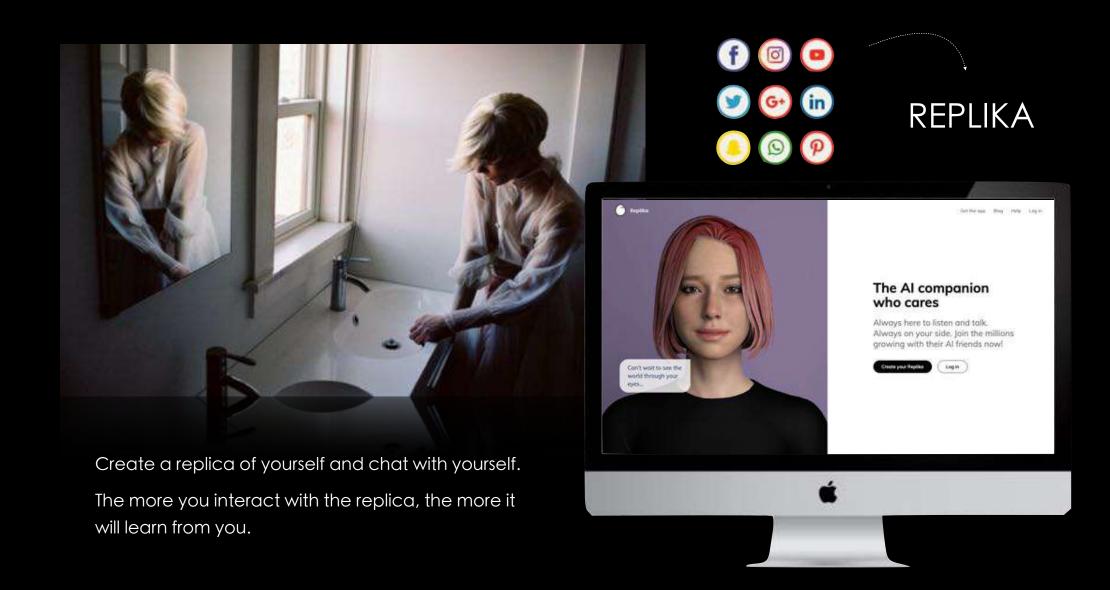








VIDEO: https://www.remember.place





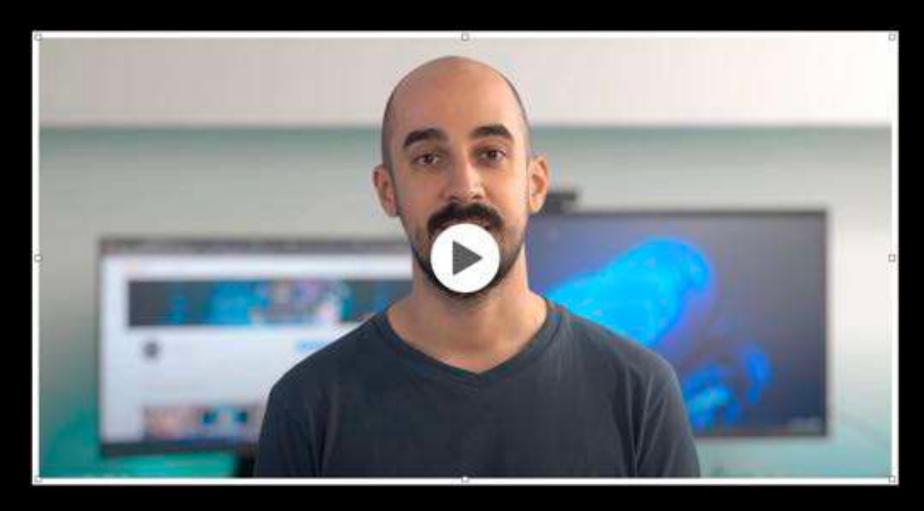
VIDEO: https://www.youtube.com/watch?v=0p8HZVCZSkc



UNREAL® 5 VIDEO UPDATE: https://www.youtube.com/watch?v=7ZLibi6s_ew



Metahumans, powered by UNREAL® engine VIDEO: https://www.youtube.com/watch?v=S3F1vZYpH8c&t=11s&pp=ugMICgJlcxABGAE%3D



Carlos Santana, powered by Synthesia VIDEO: https://www.youtube.com/watch?v=gSmnrXqHpil

