



 <p>MO 5 months ago</p> <p>Me his voice sounded weird</p> <p>8  REPLY</p> <p>Brenda Hayles 5 months ago</p>	 <p>punkmore 5 months ago</p> <p>I knew it wasn't him talking s</p> <p>1.8K  REPLY</p> <p>View 29 replies </p>	 <p>Ace Flame 5 months ago</p> <p>I knew it was fake..... :-/</p> <p>1  REPLY</p>
 <p>Sam Skilz 1 week ago</p> <p>This is crazy!!! Very dangerous!</p> <p>  REPLY</p>	 <p>matchatae 5 months ago</p> <p>damn. that confused me</p> <p>108  REPLY</p> <p>View reply </p>	 <p>tom 2 weeks ago</p> <p>You can't trust any video now</p> <p>  REPLY</p>

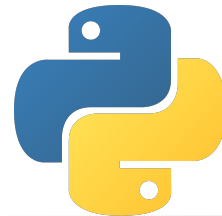
DeepFake with NEO

Zürich

Hackathon 3 & 4 November 2018

@Pega88

@sergehendrickx



NEO
smart economy

DeepFake in a nutshell

- Deep Learning + Fake
- People can be faked to say dangerous things
- Governments want to ban it because
- Technology is out, cannot be stopped
- **Identity can be stolen**

We've seen this before...



1-48 of 326 results for "say anything"

Refine Results

- All Categories (326)
- Voice Over (85)
 - Viral Videos (43)
 - Other (37)
 - Your Message On... (35)
 - Celebrity Impersonators (32)
 - Other (20)
 - Greeting Cards & Videos (17)
 - Pranks & Stunts (12)
 - Other (8)

Delivery Time

- ☐ Up to 24 hours
- ☐ Up to 3 days
- ☐ Up to 7 days
- ☒ Any

Price Range

\$ to \$ >

Online Status

- ☐ Online (6)

Gender

- ☐ Male (60)
- ☐ Female (21)

Purpose

- ☐ Dubbing / (60)



socialchrist
Level 2 Seller

I will have Jesus say anything you want in a HD video

★ 5.0 (474)

STARTING AT \$10



happiestman
Level 1 Seller

I will sing happy birthday or say anything you want

★ 4.9 (124)

STARTING AT \$5



socialchrist
Level 2 Seller

I will have Jesus say anything you want in a video

★ 5.0 (1k+)

STARTING AT \$10



phichanva

I will say anything as an anime voice actress

★ 4.9 (64)

STARTING AT \$5



dynamitedork
Level 2 Seller

I will say anything you want as a redneck in a video

★ 5.0 (18)

STARTING AT \$15



jesudude
Level 1 Seller

I will say anything as Jesus in an HD video

★ 5.0 (90)

STARTING AT \$5



maxallancom
Level 1 Seller

I will say anything you want as an authentic Mexican mariachi

★ 4.9 (20)

STARTING AT \$5

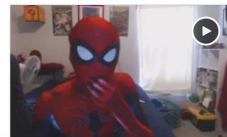


badbeehavior
Level 2 Seller

I will act and say anything as a crazy mad scientist

★ 5.0 (35)

STARTING AT \$5



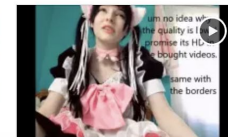
spidey_says



maitusi



badbeehavior



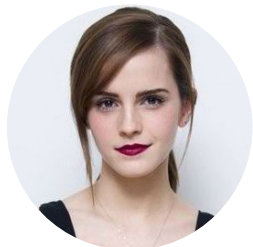
kittenloli

Solution

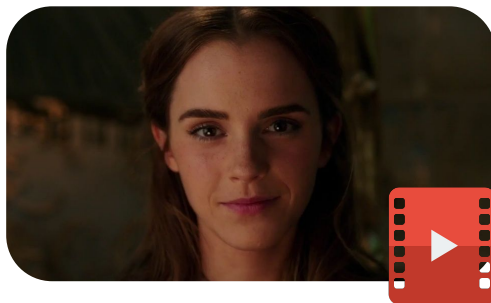
- Identity-verified users can upload source video (e.g. Han Solo, Elvis Presley, Emma Watson)
- Fans can browse catalogue and submit request for DeepFake
- Video owner can approve/reject
- Proof on blockchain of approval/rejection

Example flow

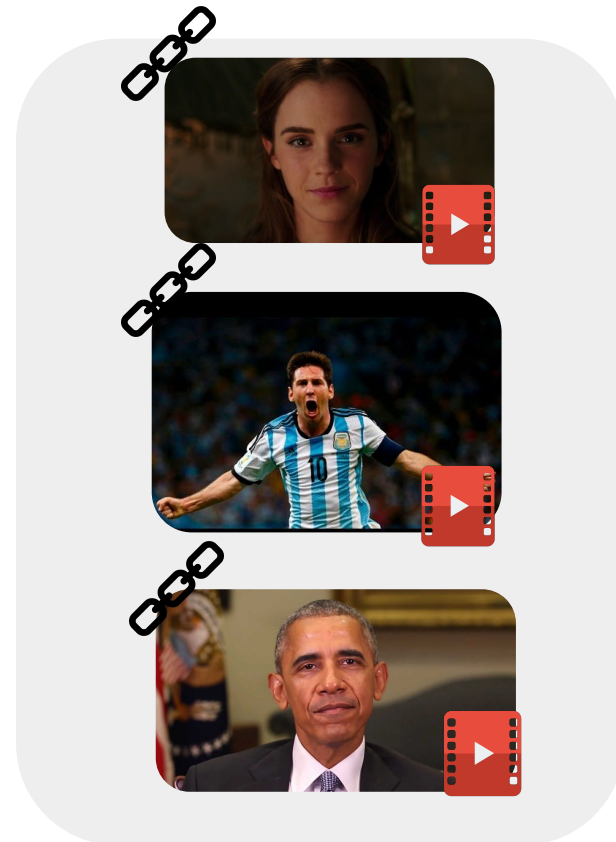
Actor providing video catalogue



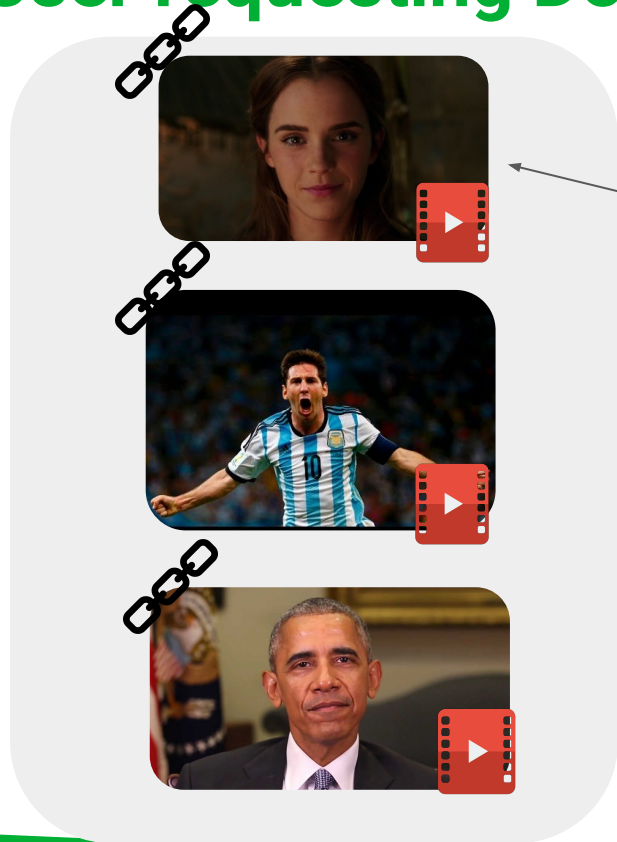
KYC Validated



Upload video content



User requesting DeepFake

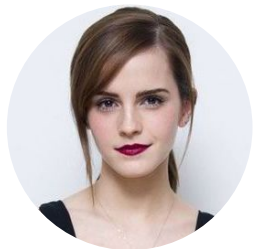


request: "Happy Birthday Niels!"

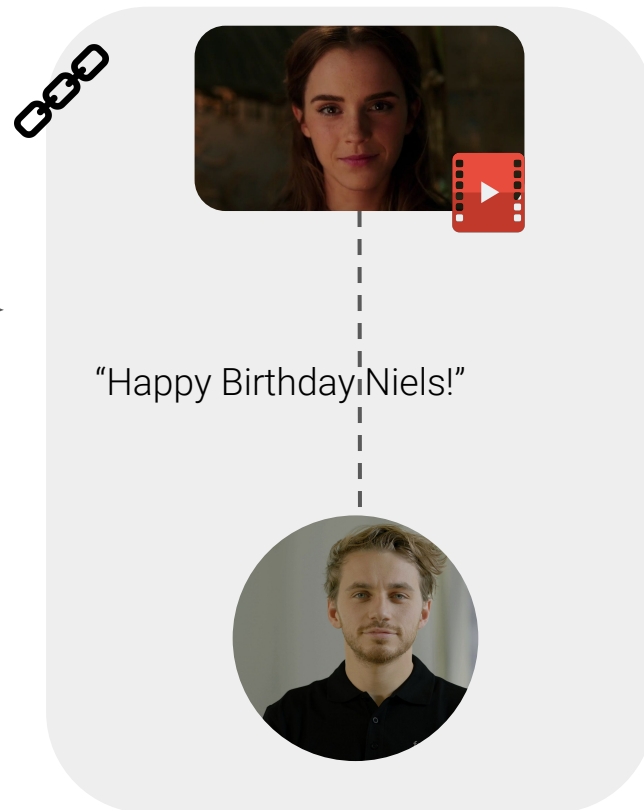


KYC Validated

Actor approving request



Approve

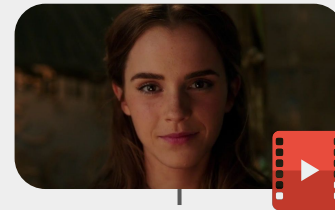


User leveraging DeepFake

"Happy Birthday Niels!"



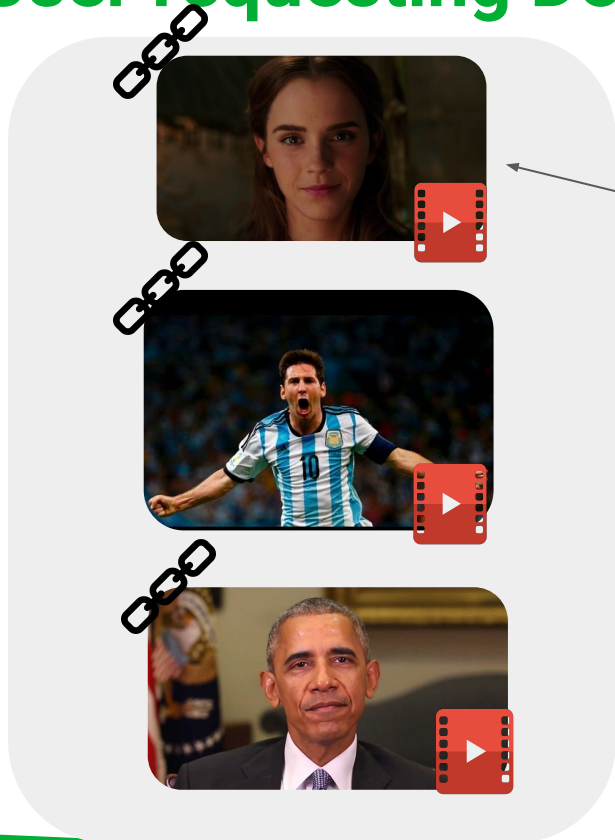
Tx id



"Happy Birthday Niels!"



User requesting DeepFake

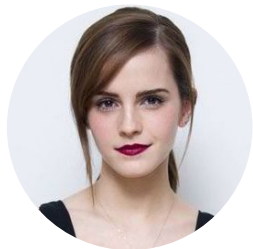


request: "I love you!"

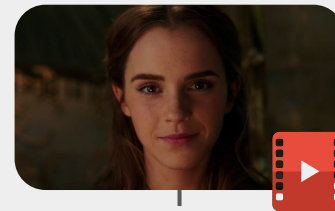


KYC Validated

Actor rejecting request



Reject



"I love you!"



**Demo
time**



APPENDIX



Nick Cage
Deep
Fakes
Compilation