

FORCE-FEEDBACK GLOVE

FOR VIRTUAL INTERACTION





BACKGROUND

- Virtual reality and the metaverse are two rapidly growing technologies in the world.
- To achieve this, it's necessary to simulate all senses, including vision, sound, touch, taste, smell and other feelings.



PROBLEM

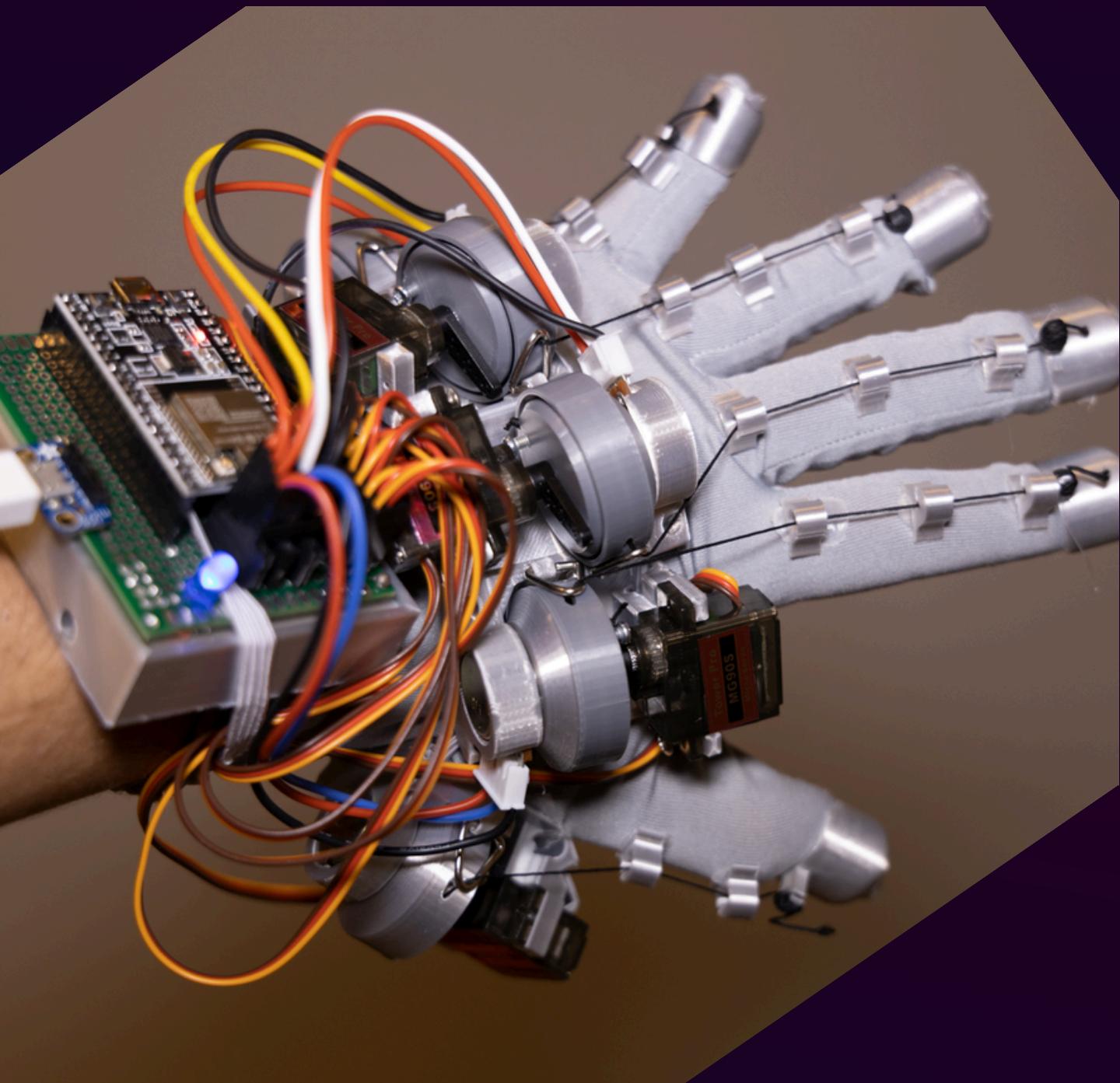
- No successful product for force-feedback glove

PROJECT IDEA

- to build a new force-feedback glove
- to solve the current limitations of similar implementations
- to build an API



PROJECT DESIGN AND IMPLEMENTATION



01

Microcontroller

To process input signals and control the actuators.

02

Sensors

To detect finger movements.

03

Actuators

To provide force feedback to the fingers.

04

Battery

For powering the device

03

THANK YOU

Reference:

- [Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip](#)
- <https://delfthapticslab.nl/device/phantom-omni/>.
- www.apple.com
- <https://hackaday.com/2022/01/10/low-cost-haptic-vr-gloves-work-with-hacked-steam-games/>

