

Chatberry Pi

IoT Standards and Protocols

Robert Walsh - 2nd May 2024

Social Robotics

Social Robotics

**An AI System that is designed to
interact with humans and other robots**



Nao



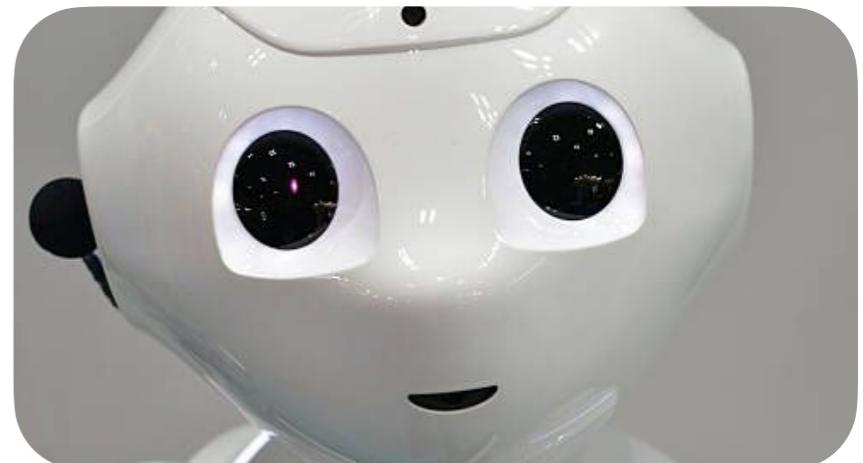
Paro

Social Robotics

An AI System that is designed to interact with humans and other robots



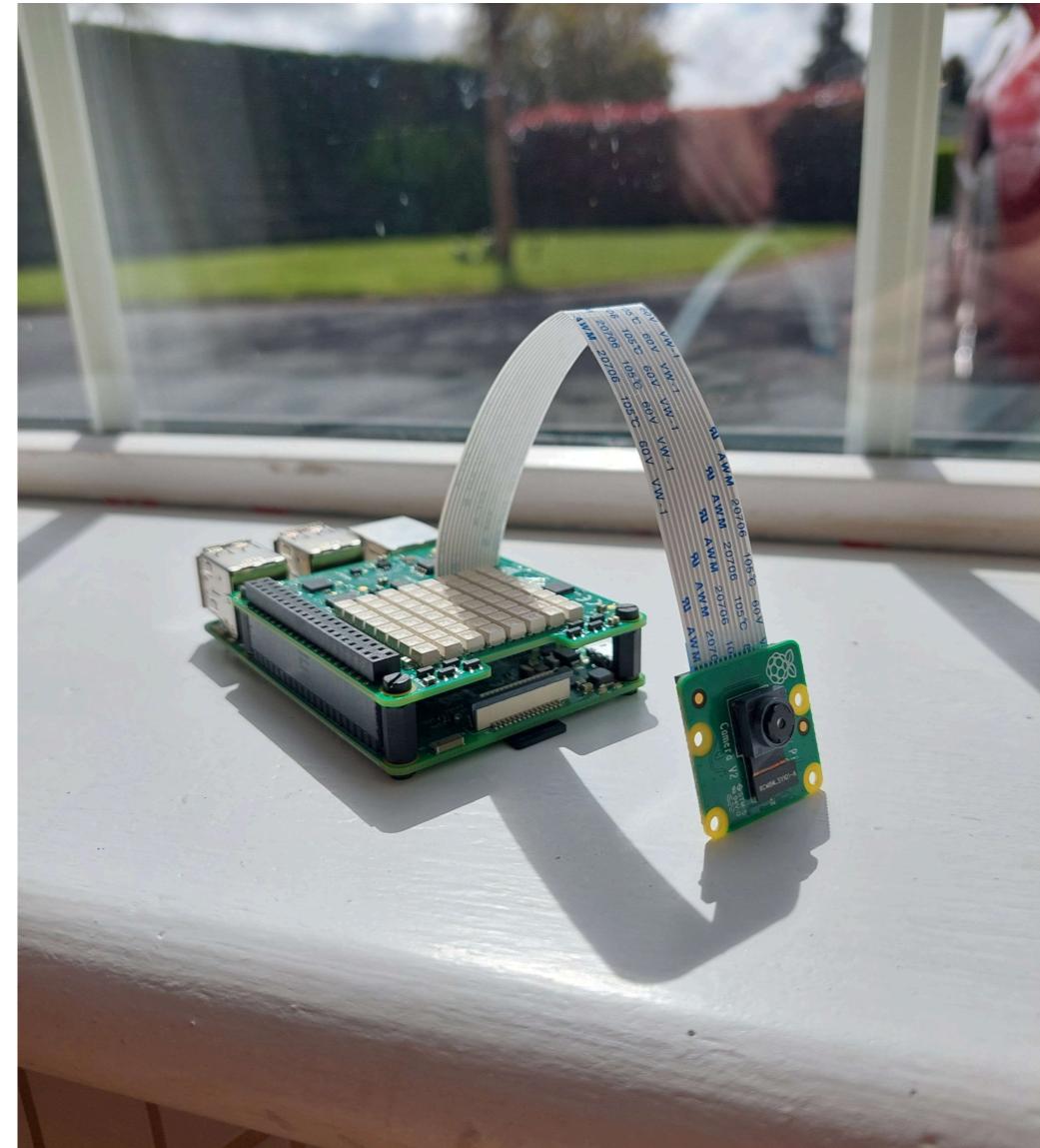
Jibo



Pepper

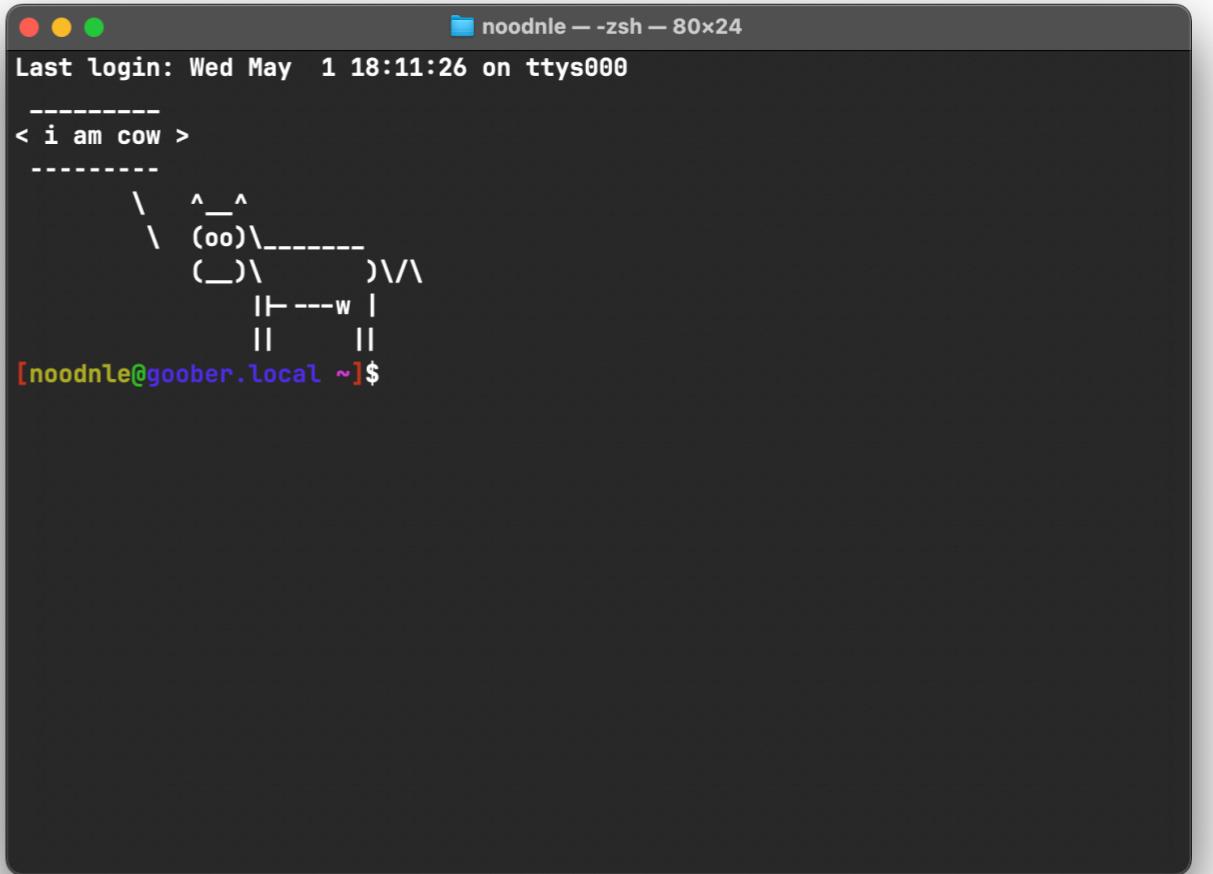
What I've Made

- Raspberry Pi Model 3B
- Pi Camera 2
- SenseHAT
- OpenCV
- MQTT
- OpenAI



Extra Materials

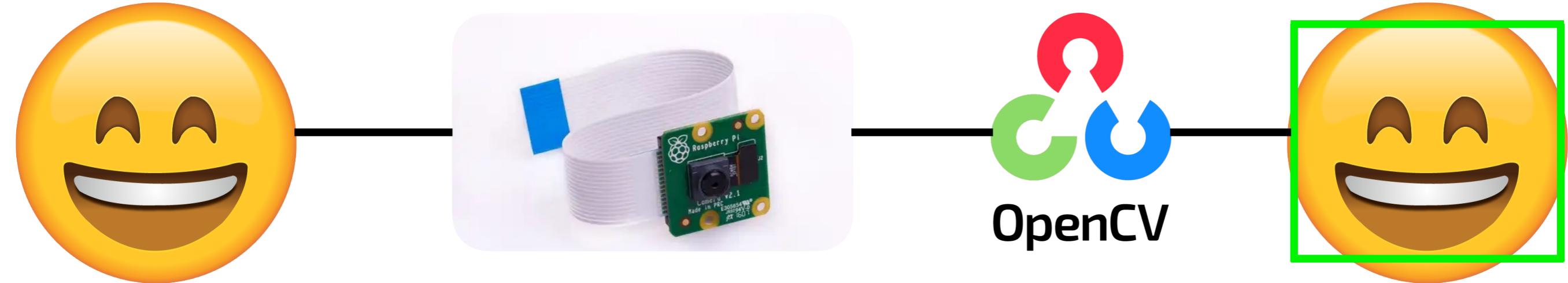
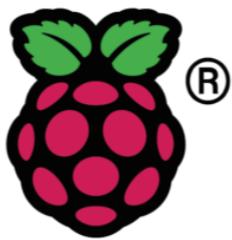
- Video Demo
- Extensive Documentation
- Read Me



```
Last login: Wed May  1 18:11:26 on ttys000
-----
< i am cow >
-----
 \  ^__^
  \  (oo)\----_
    (__)\       )\/\
        ||----w |
        ||     ||

[noodnle@goober.local ~]$
```

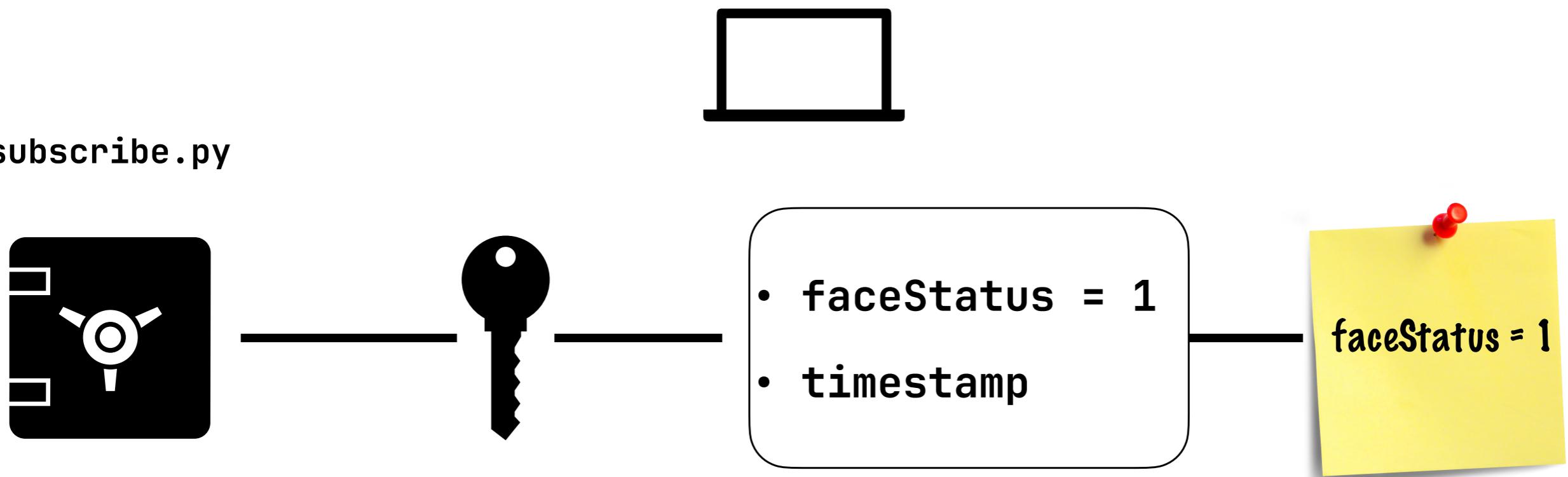
publish.py



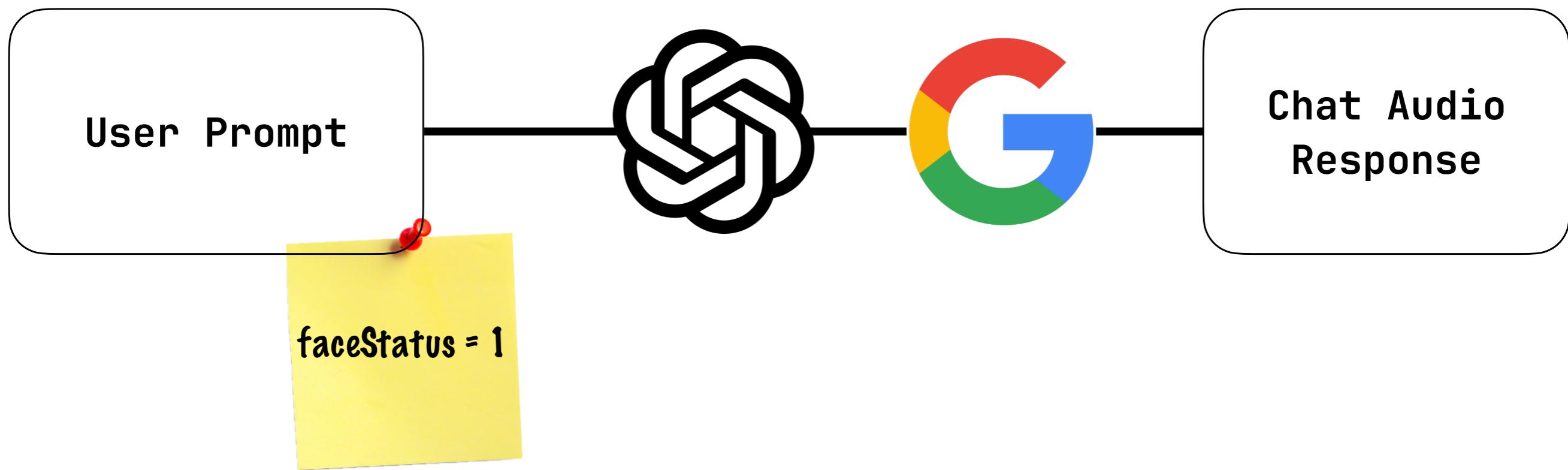
• `faceStatus = 1`
• `timestamp`



`subscribe.py`



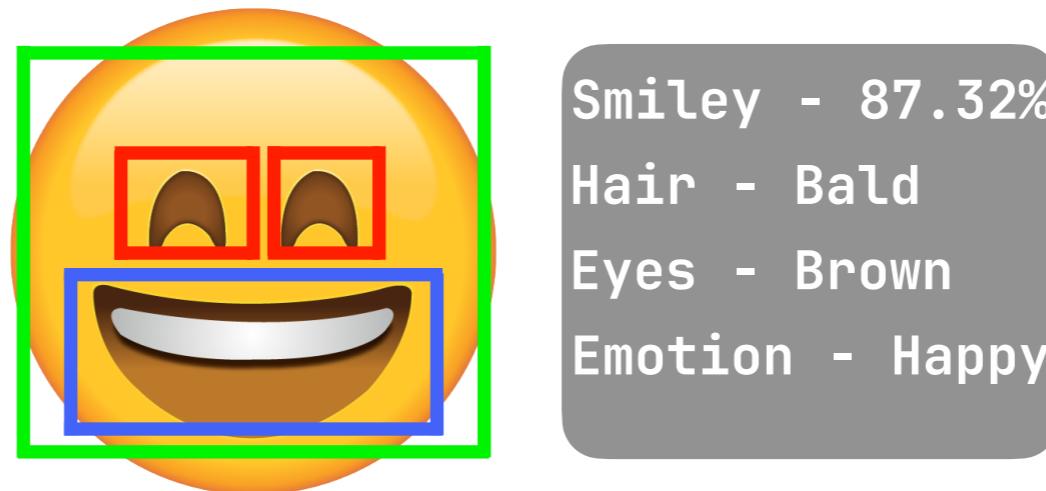
`chat.py`



Limitations

Limitations

Full Facial Recognition



Thanks for Listening

Any Questions?