

GIGGLE

# TEAM

Divya: Branding and personality

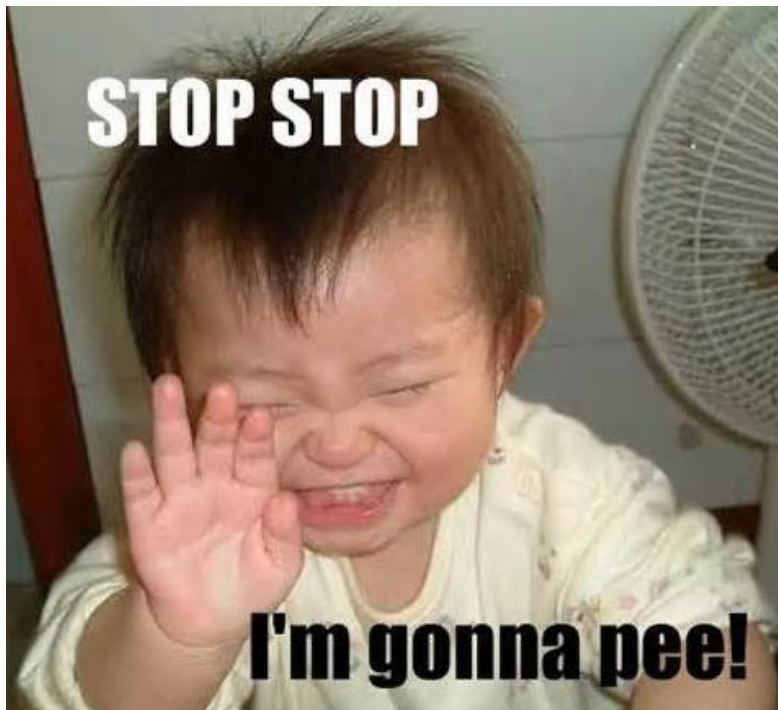
Linzi Wu: Speech and personality

Lei Xiang: Electronics part and speech

# WHY GIGGLE BOT?

<https://www.youtube.com/watch?v=fM45JMTpkBU>

# LAUGH IS CONTAGIOUS



If you see two people laughing at a joke you didn't hear, chances are you will smile anyway--even if you don't realize it.

According to a new study, **laughter** truly is **contagious**: the brain responds to the sound of laughter and preps the muscles in the face to join in the mirth.

# OUR WORKING ENVIRONMENT IS BORING

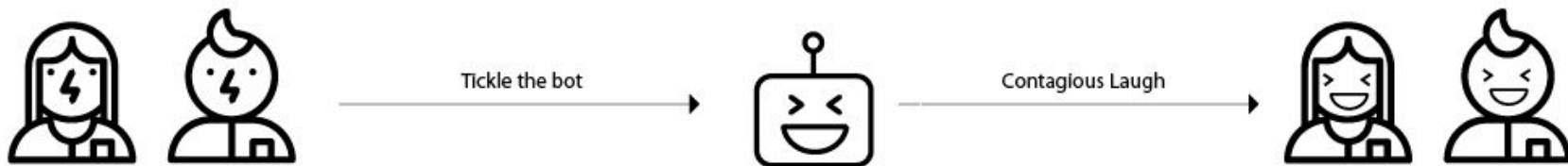
How can we rejuvenate our working environment in a joyful way?



# USE CASE 1

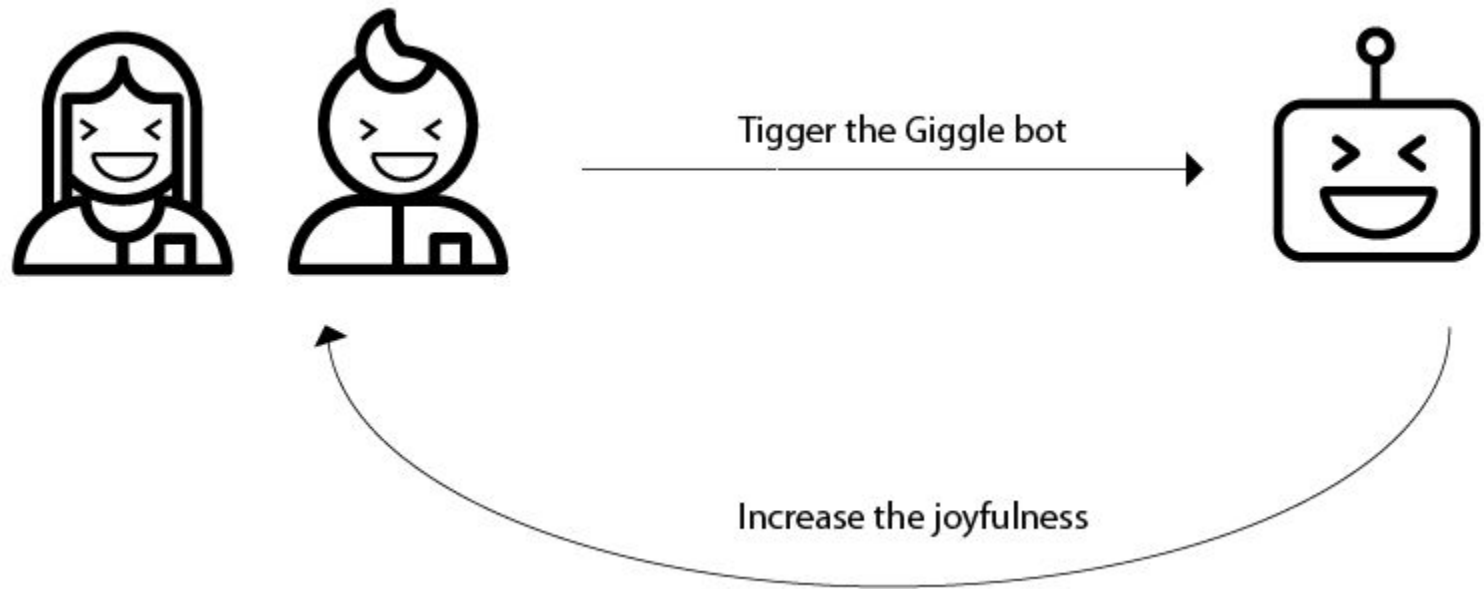
Non-Verbal: giggle/tough

The longer you tickle the Giggle Bot, the bigger the laughter would be.



# USE CASE 2

Verbal: laugh with you



# POSSIBLE APPEARANCE





# REQUIREMENTS AND FEATURES

## Requirements:

Speech recognition, Haptic feedback/giggle movement, Natural language speech, personality development.

The desired corpus coverage will be non-task based input. Extended to small jokes and generic sarcastic responses.

nonverbal behaviors to be recognized are tickling and patting. Non verbal behaviours to be generated are vibration, bobbing up and down slightly.

Verbal behaviors to be recognized wake words, questions and the sound of laughter. Verbal behaviors to be generated are giggling, sarcastic remarks, and jokes.

# HARDWARE REQUIREMENTS

Hardware requirements: Arduino(photon), Audio shield, Servo motor, Motion Sensor, physical silicon body, Microphone, speaker.