

# secret life of machines

RAY LC



"smart,"  
↑  
**Machine Learning**  
Pooling "AI"  
to get us to real - but not  
compensate for non-self.

MISSING  
**UNCERTAINTY**  
flaky AI, unsure,  
programmed to be dumb

hardware.  
↑  
**Brain Interface**  
emotion  
programmed "love" - predict our states  
catch up" to machines by evolving complex  
of emotions

MISSING:  
fool us into believing:  
as creators of machine.  
**CREATOR**  
element which makes  
machines real - we  
know they're not us

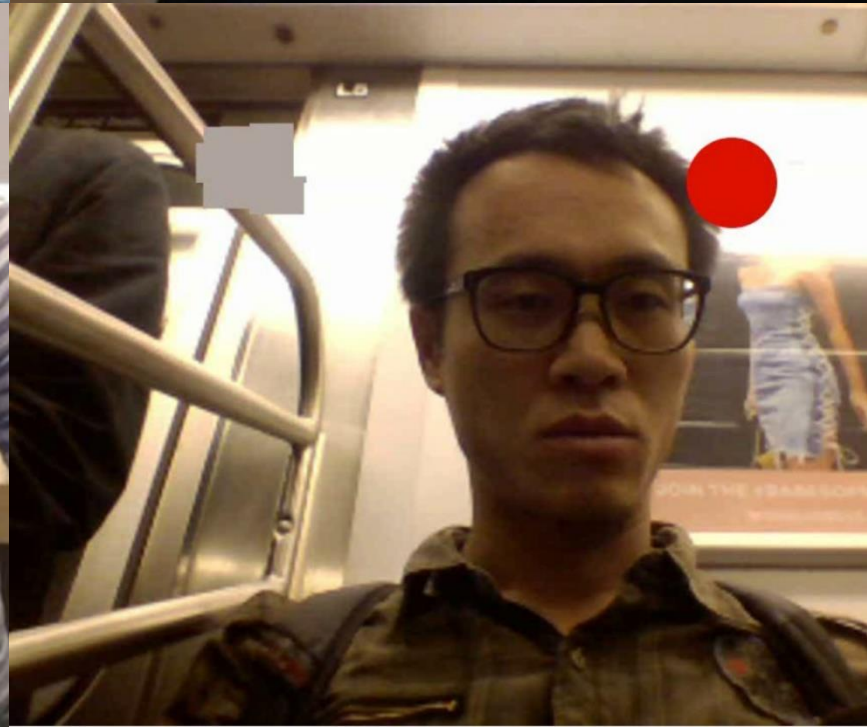
narrative  
↑  
**Story**  
morphemes  
distinguishes humans  
not words - narrative  
morphemes



- 
- 1D
- 2D
- 3D
- 4D
- 5D
- 







- 
- 1D
- 2D
- 3D
- 4D
- 5D
- 

> Hello. My name is Eliza. How may I help you?

# Eliza Chat bot

Is she a Rogerian psychotherapist, a semi intelligent chat bot, or just a toy?



Eliza, one of the original chat bots, is now ready to talk to you.

She is programmed to behave as a Rogerian psychotherapist, and is an interesting example of the

limitations of early artificial intelligence programs.

If Eliza (or you, or your web browser) gets confused, [refresh the page](#). To start a new session with the therapist [reload the page](#).

**Immediate feedback is not 4D!**

```
=====
EEEEEEEE L      IIIIII ZZZZZZZ AAA
E         L      I      Z      A  A
E         L      I      Z      A  A
EEEEEE   L      I      Z      A  A
E         L      I      Z      AAAAAA
E         L      I      Z      A  A
EEEEEEEE LLLLLLL IIIIII ZZZZZZ A  A
=====
ELIZA > (PLEASE TYPE IN ALL CAPS) WHAT'S YOUR NAME DEAR ?
AMIT
ELIZA > HI, I'M ELIZA. WHAT DO YOU WANT TO TALK ABOUT ?
AMIT > CAN I TALK ABOUT MY PROBLEM ?
ELIZA > SURE... !
AMIT > DUE TO ON GOING EXAMS IN COLLEGE, I HAVE A LOT OF STRESS.
ELIZA > PLEASE RELAX A LITTLE. SLEEP WELL.
AMIT > THANKS FOR YOUR ADVICE.
ELIZA > NO MENTION.
AMIT > BYE
ELIZA > BYE AND KEEP IN TOUCH...
=====
```

# time (implicit) perception in a chatbot

- How time encodes subjective perception? User test!
- Random delays don't make sense.
- Delay that scales to the user's response only works for meaningful responses.
- Delay that reflects subject matter requires understanding of human practices.
- Delay that scales + occasional random long -> cute!!!



click mouse to begin

◦  
1D  
2D  
3D  
4D  
5D  
◦





# feedback

- Really show what different time delays are led from different parameters – show the invisible
- Introduce random typos in the chatbot reply
- Karin therapy app
- Scale time delay with what content chatbot is saying for realism