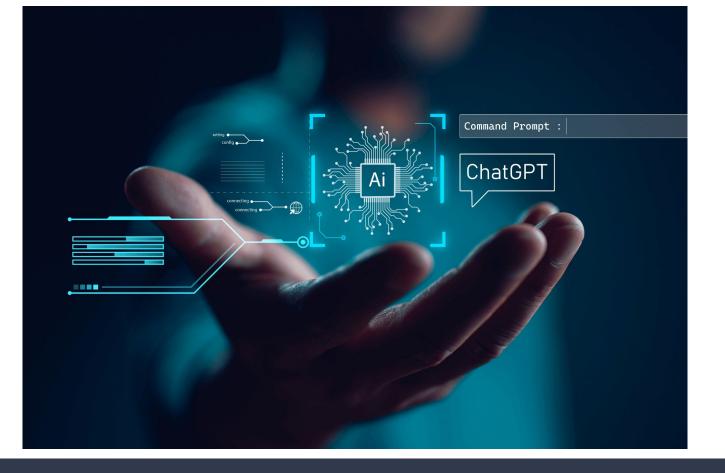
# Intent recognition using GPT-4

By Alexander Ellis and Jude Markabawi

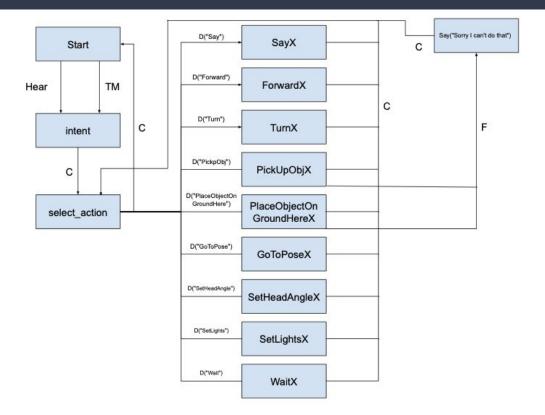
# Goal:

Given a pre-selected set of nodes, dynamically generate action chains from voice or text input, including parameters and non-trivial instruction formulations



Solution

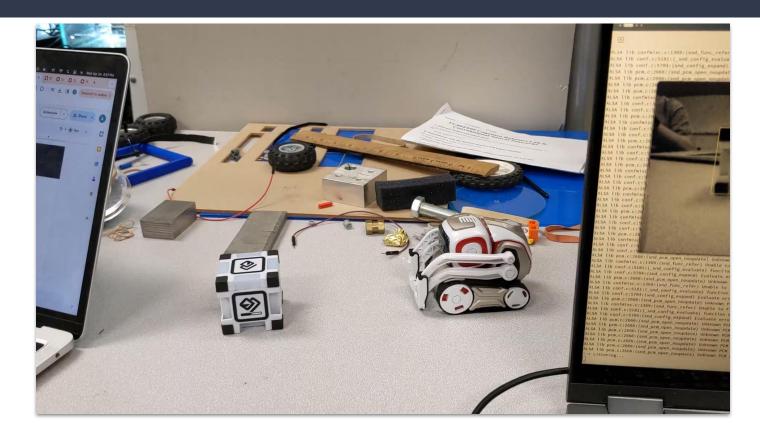
#### Solution workflow:



# Interesting aspects of our Solution

- Can perform actions on the fly with Cozmo without having to generate FSM code
- GPT-4 is fairly robust to speech input errors on its own and with improves with prompt guidance

## Results:



## Future work

- Extending action set with more native and custom nodes
- Simultaneous actions
- Dynamically adding world data to GPT prompt
- Adding query history to prompt for memory