



SYMBIOSIS
SOLUTIONS



AI ENGINEERING

VIRTUAL WORKSHOP

DAY 3

INTELLIGENT AGENTS IN ACTION

FLASH RECAP



AI ENGINEERING

VIRTUAL WORKSHOP

DAY 1

Intro to AI Engineering &
Prompting LLMs

DAY 2

Optimizing for
Information Retrieval

DAY 3

Intelligent Agents
in Action



AGENDAS

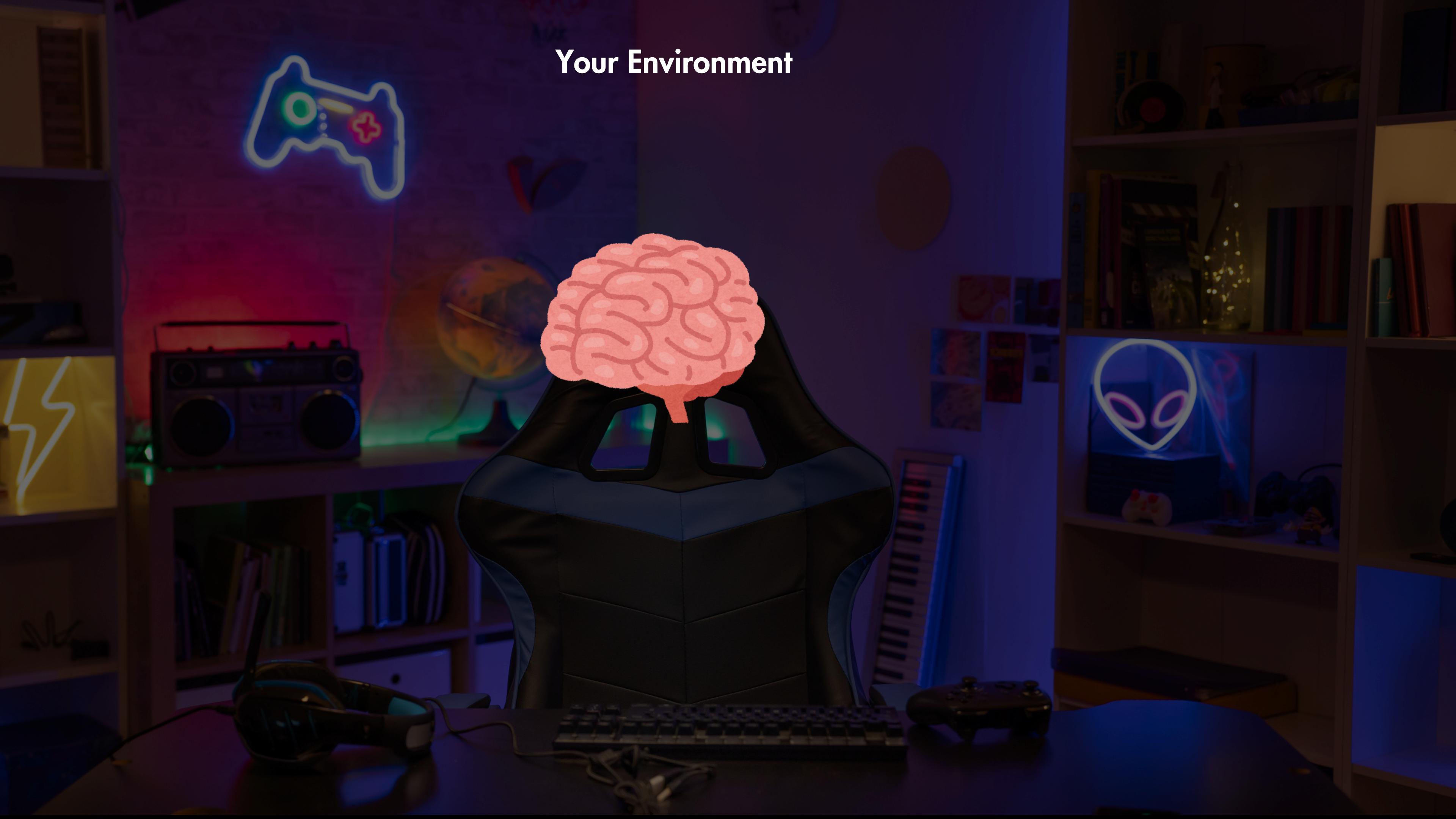
INTELLIGENT AGENTS IN ACTION

- 1 Intro to Agents
- 2 Multi-Agents
- 3 Building Multi-Agent Solutions

Your Brain is Amazing!



Your Environment



Your Environment

How does your brain
perceive our surrounding
Environment?

Your Environment

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Environment?



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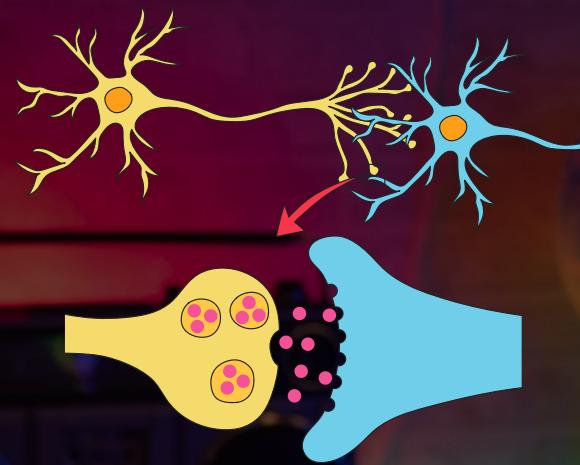


Your Environment

How does your brain
process the signals it
receives from your senses?

Your Environment

86 billion neurons



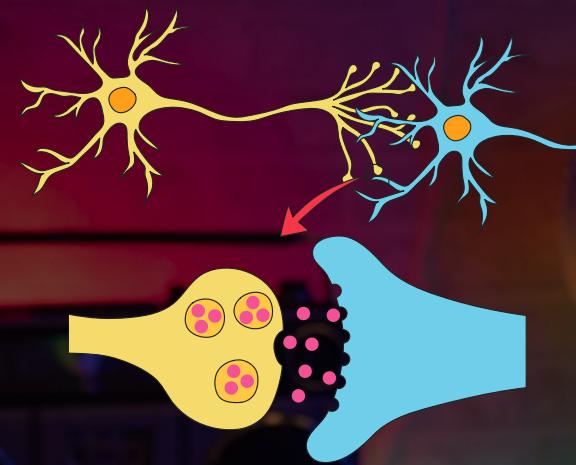
~100 trillion connections



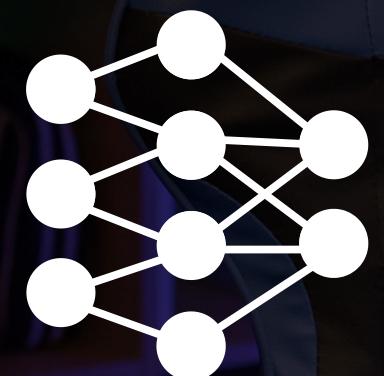
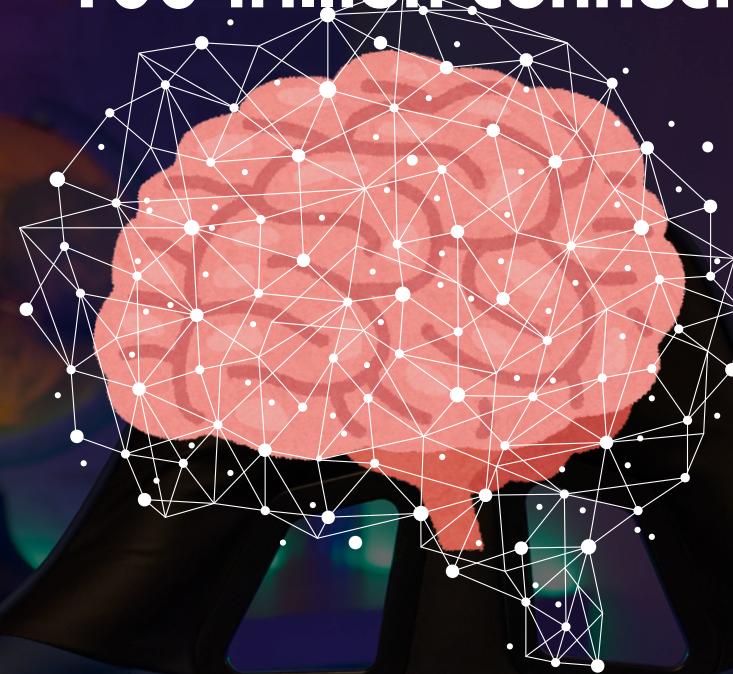
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Neural Network

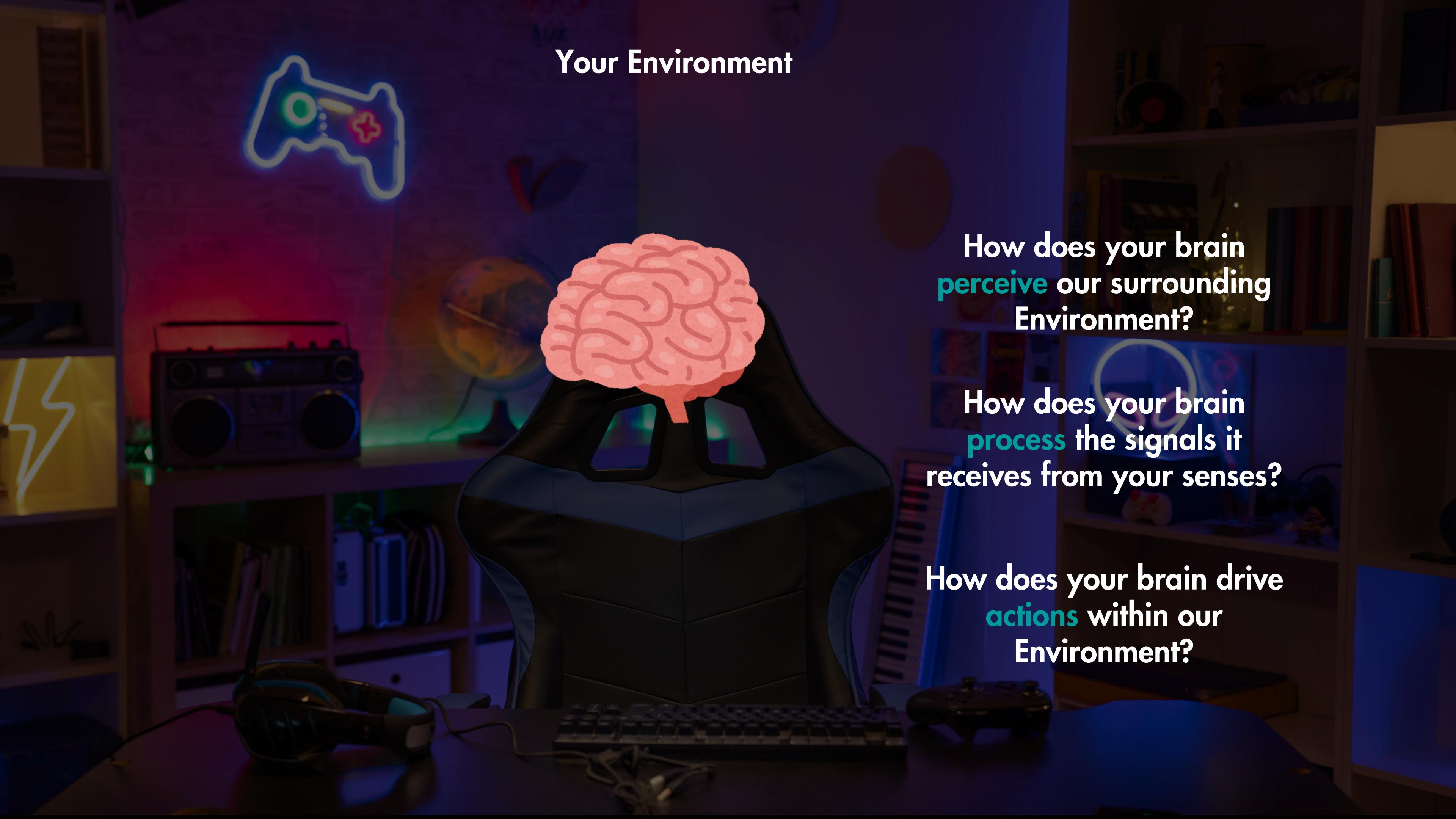
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Your Environment

How does your brain
perceive our surrounding
Environment?

How does your brain
process the signals it
receives from your senses?

How does your brain drive
actions within our
Environment?



Your Environment

How does your brain drive
actions within our
Environment?

Your Environment

How does your brain drive
actions within our
Environment?

Your Environment

Human

How does your brain
perceive our surrounding
Environment?

How does your brain
process the signals it
receives from your senses?

How does your brain drive
actions within our
Environment?



Your Environment



Human



Biological Species / Earth / Intelligence

From sources across the web



Human



Chimpanzee



Orca



Cat



Common raven



Raccoon

How does your brain
perceive our surrounding
Environment?

How does your brain
process the signals it
receives from your senses?

How does your brain drive
actions within our
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Your Environment

Human
What are the requirements for something to be considered Intelligent?

How does your brain perceive our surrounding Environment?

How does your brain process the signals it receives from your senses?

How does your brain drive actions within our Environment?

Biological Species / Earth / Intelligence

From sources across the web



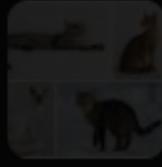
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Common raven



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Your Environment

Human
What are the requirements for something to be considered Intelligent?

How does your brain perceive our surrounding Environment?

How does your brain process the signals it receives from your senses?

How does your brain drive actions within our Environment?

What is an Intelligent Agent?

Biological Species / Earth / Intelligence

From sources across the web



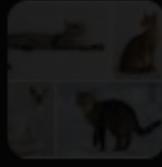
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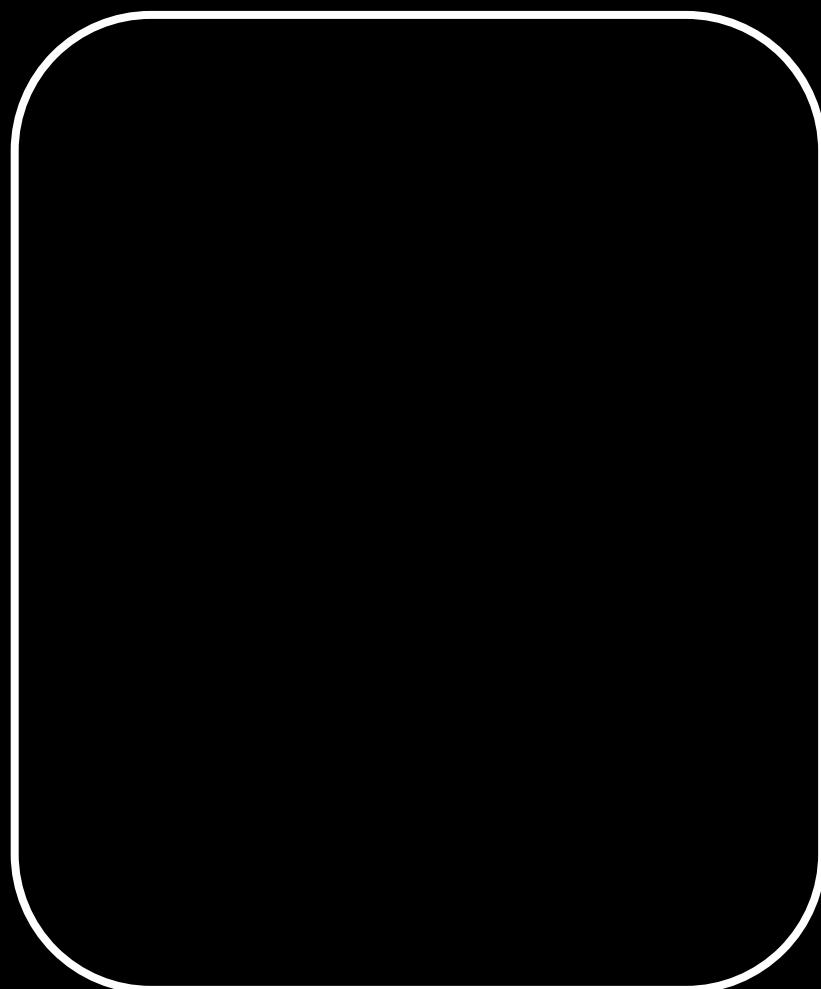


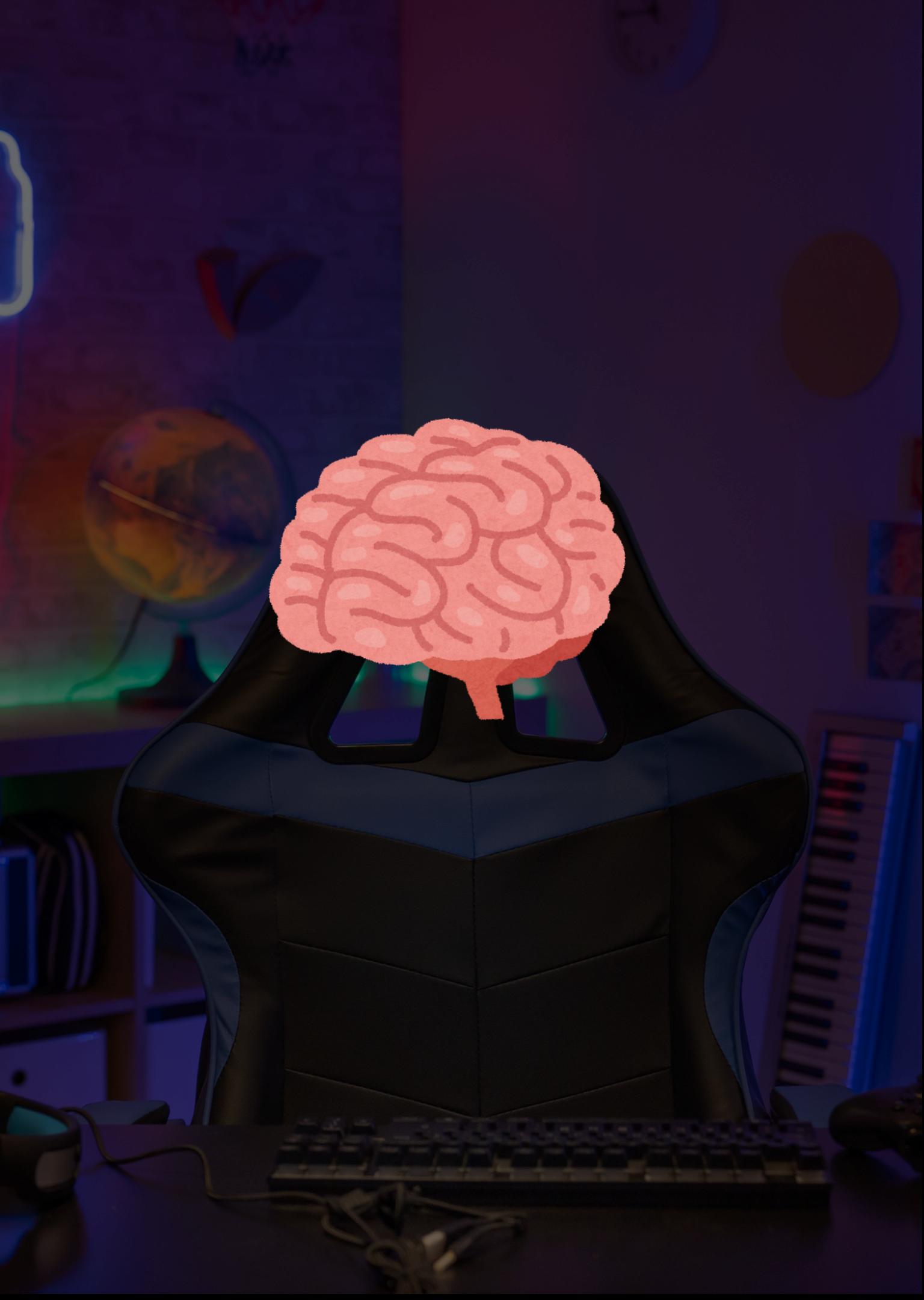
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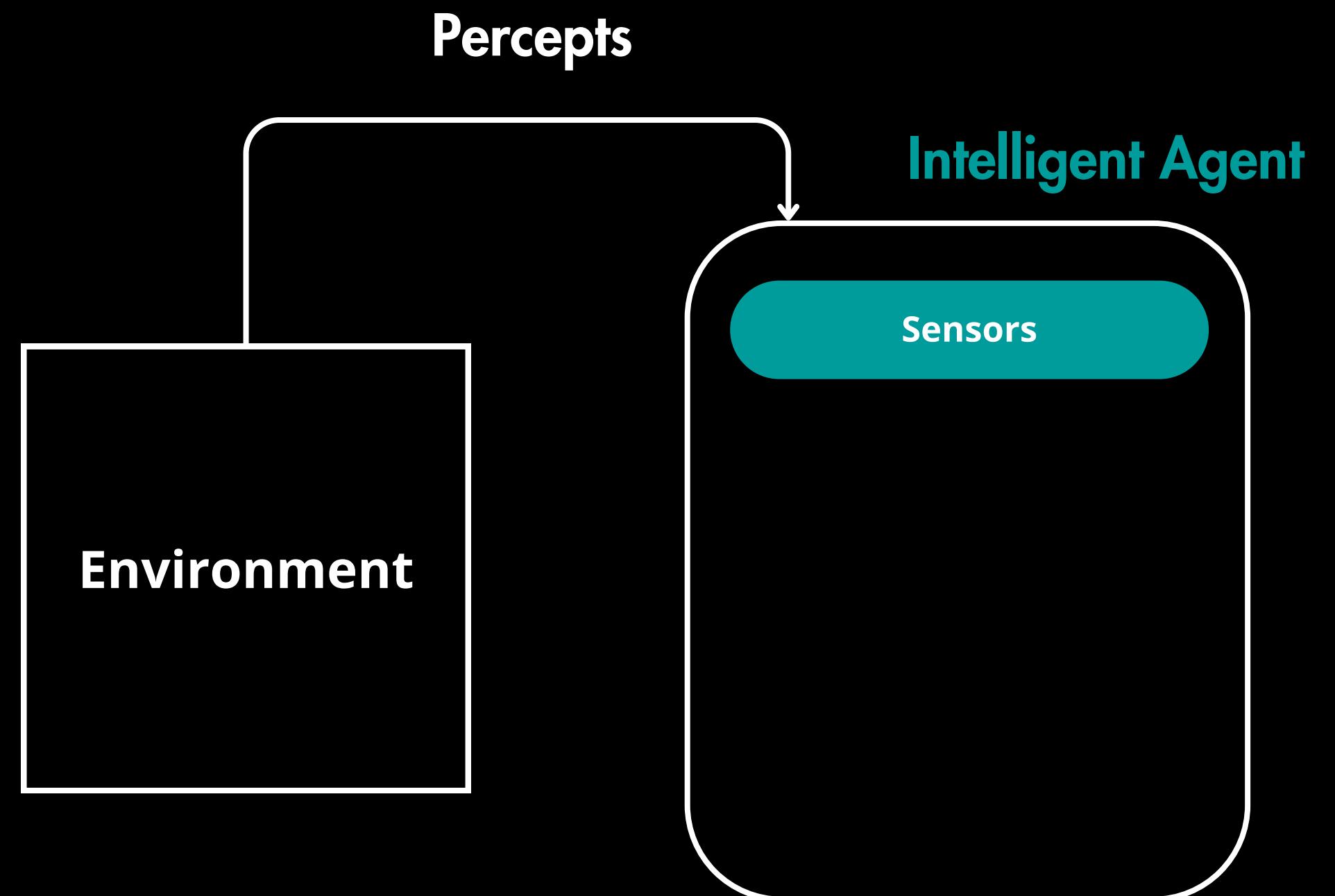
Intelligent Agent

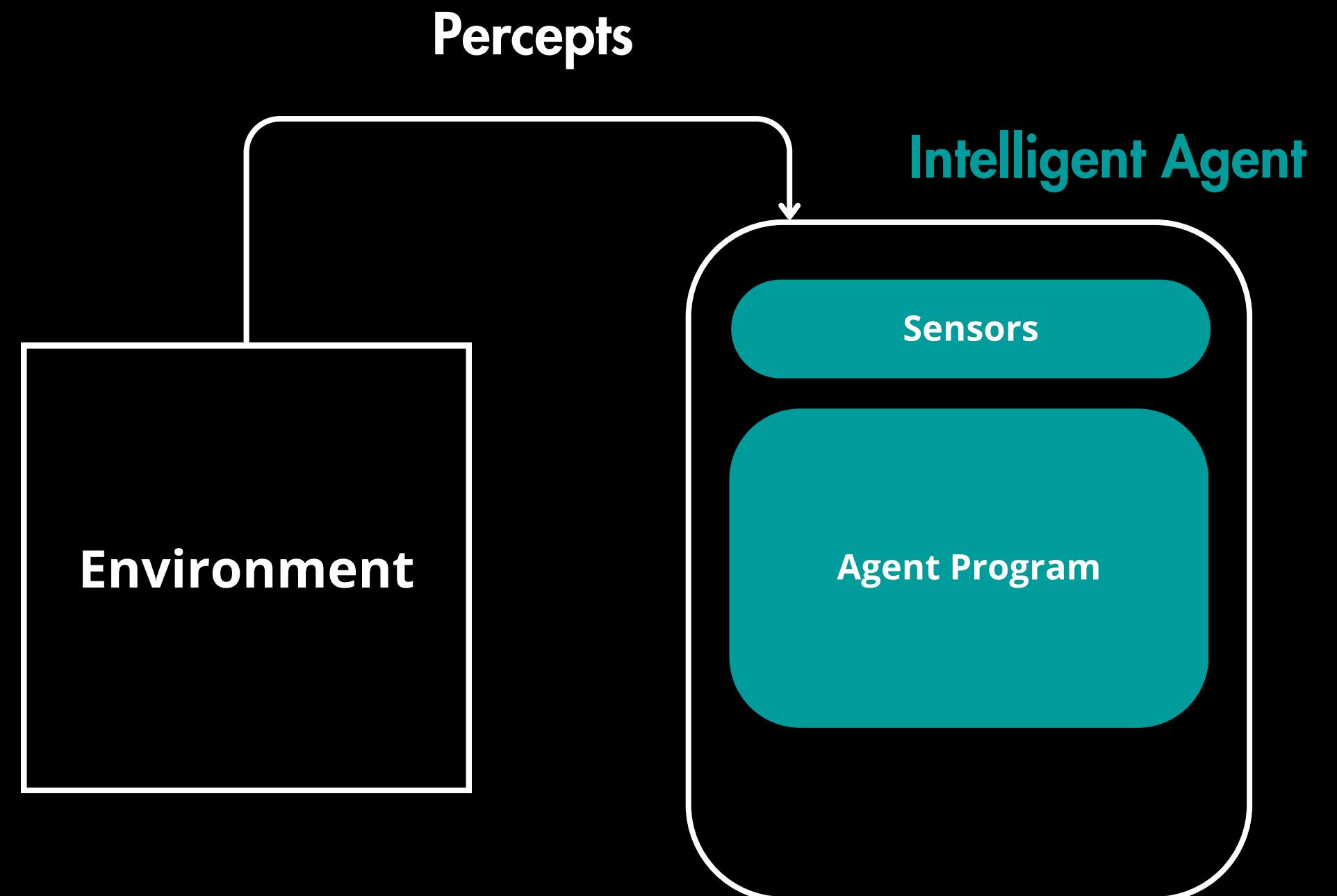
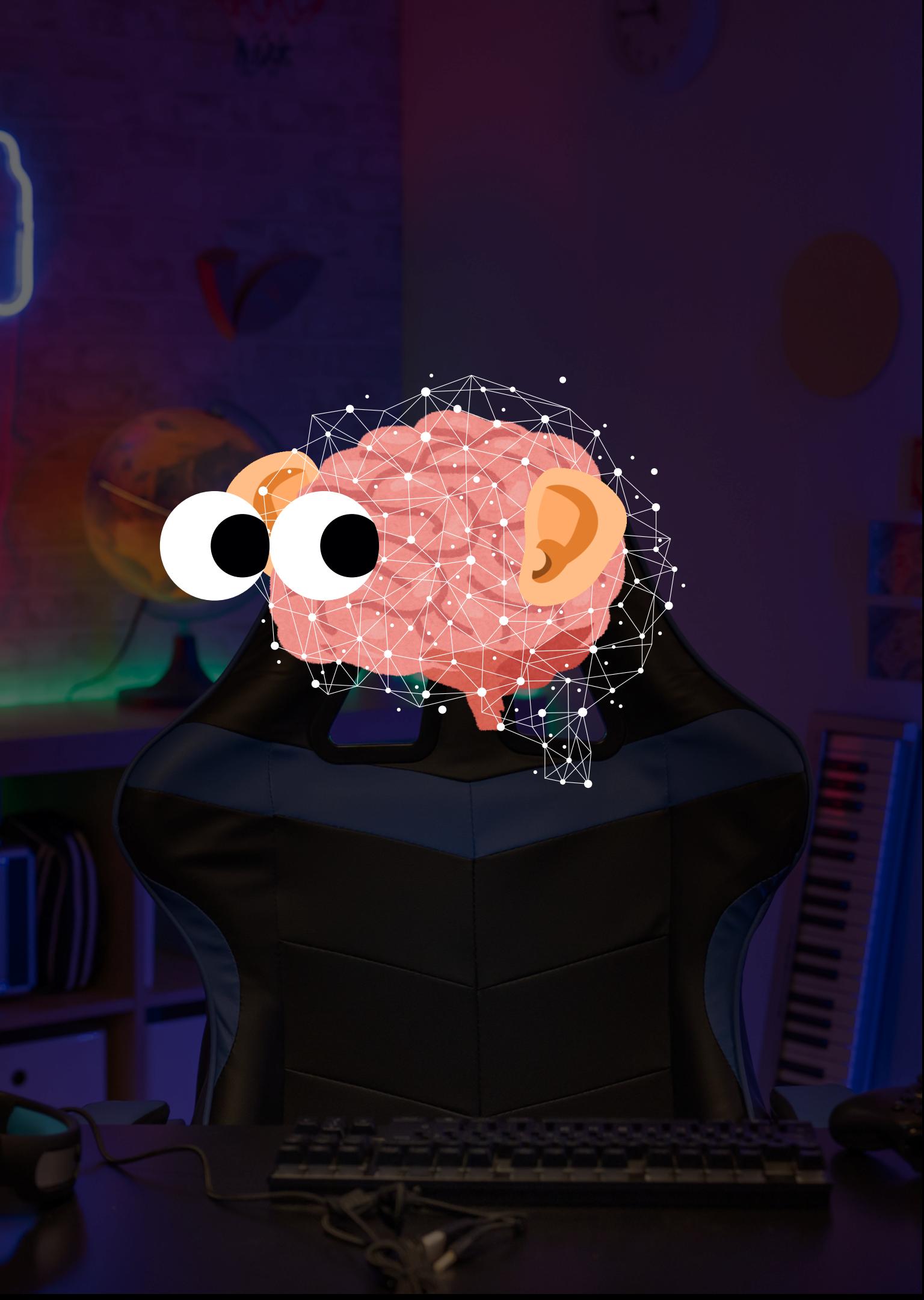


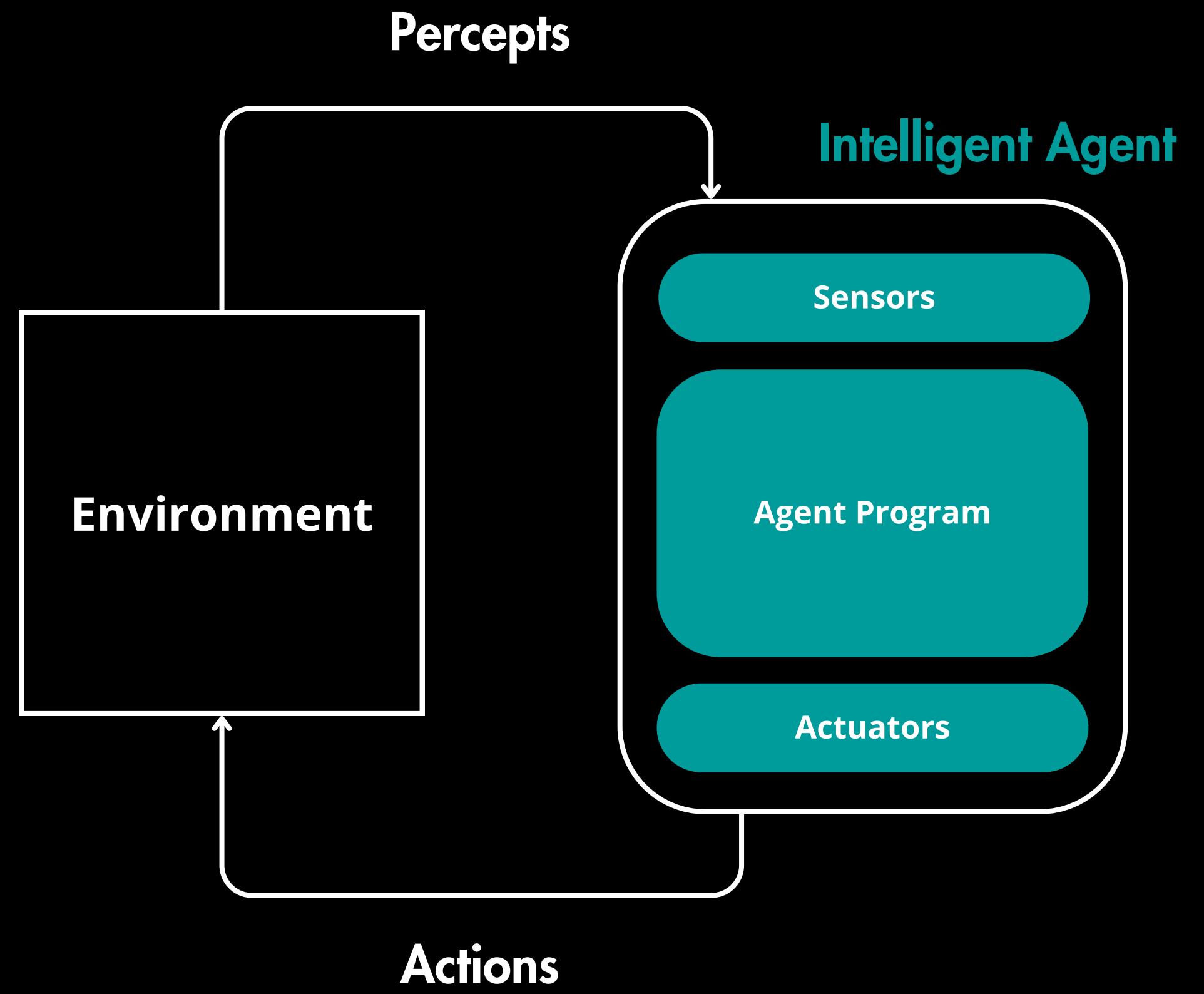


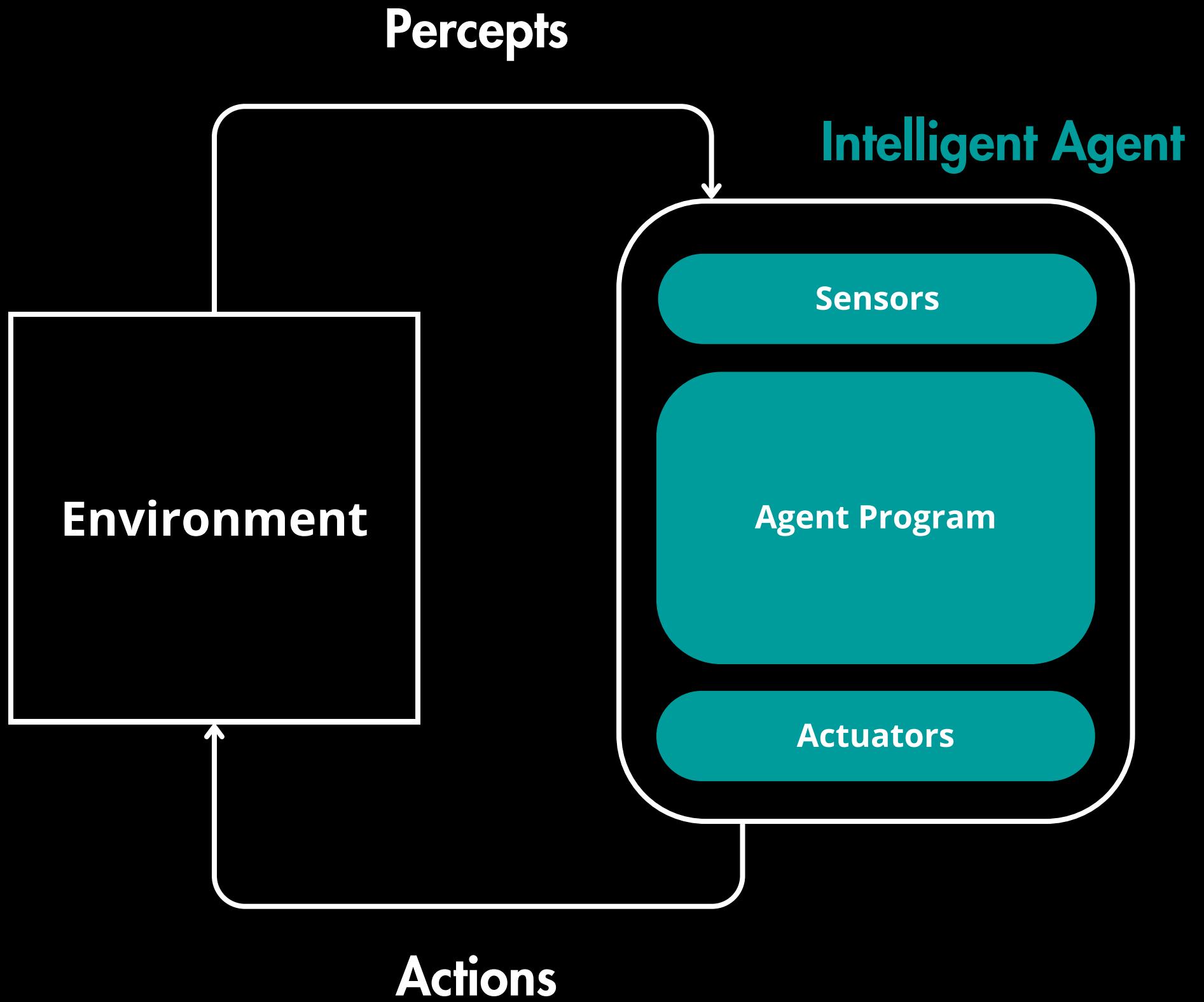
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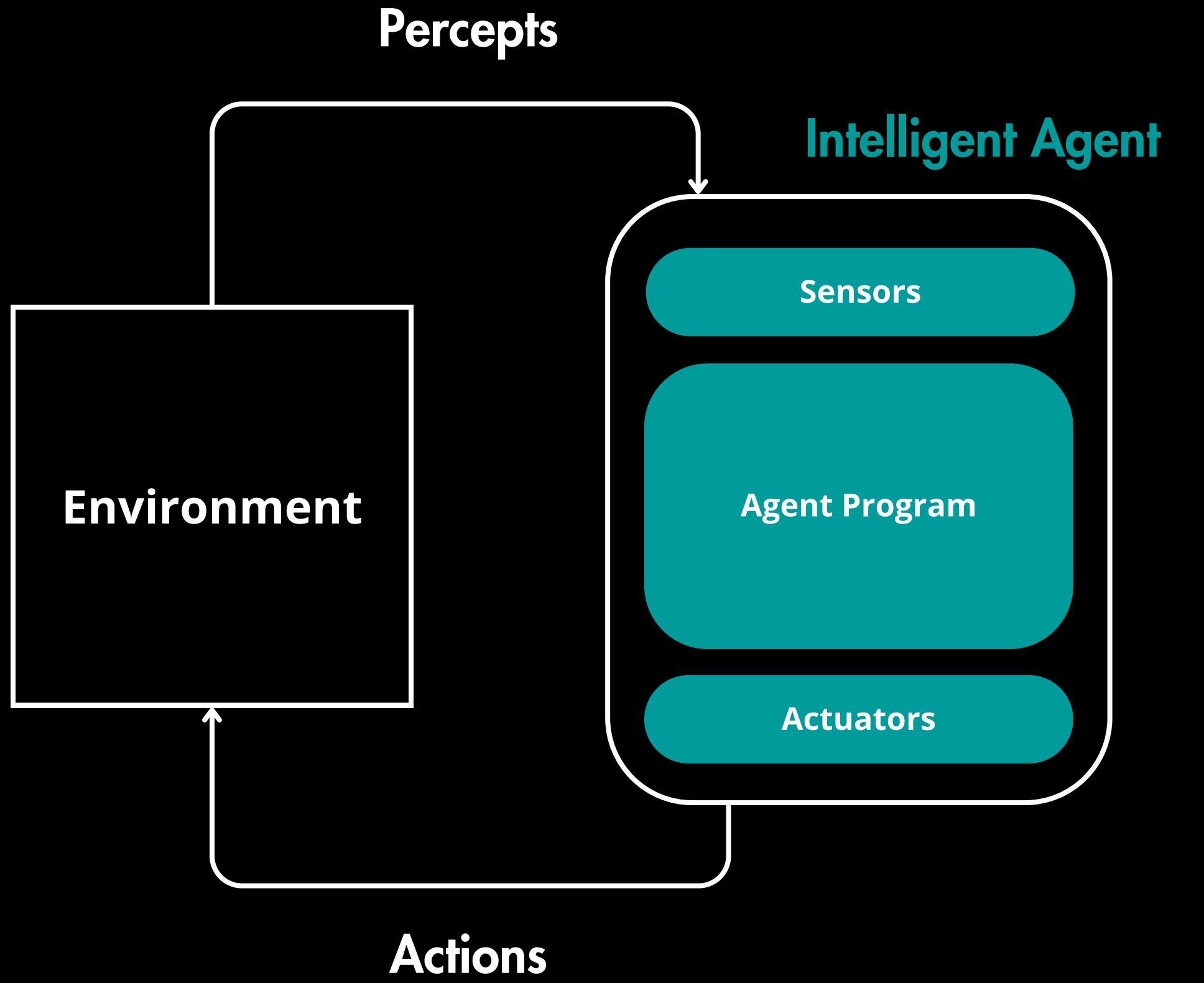
Environment

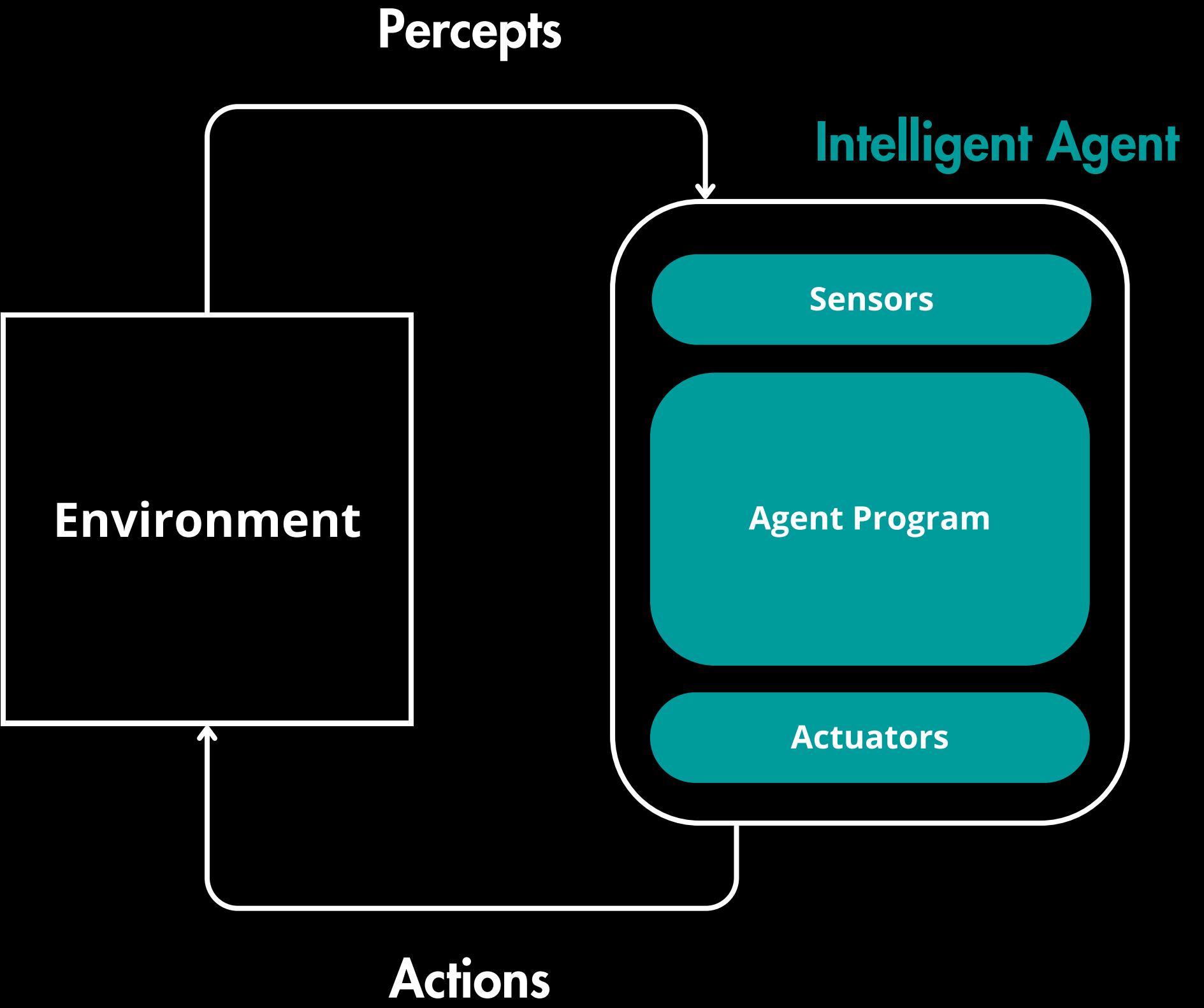


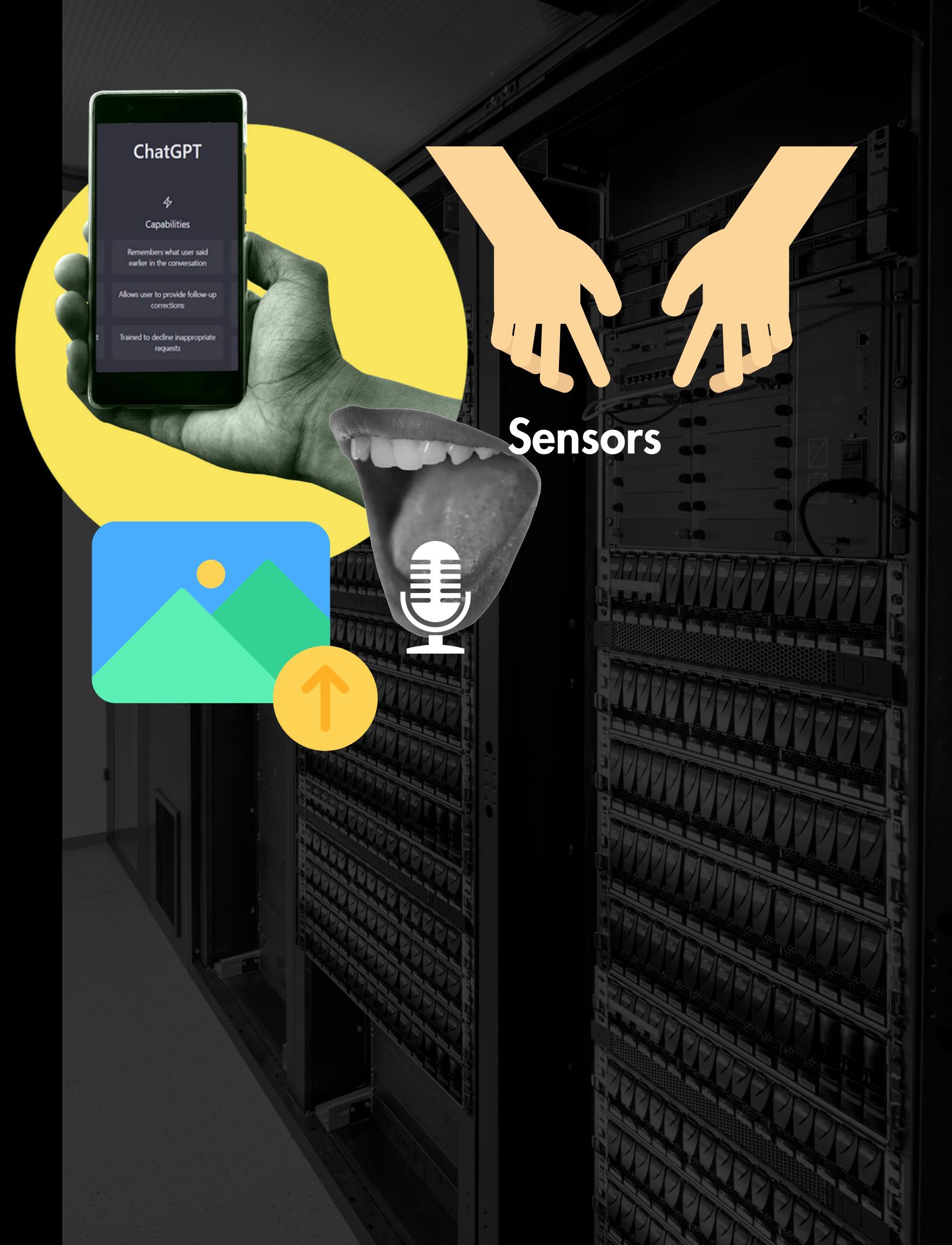
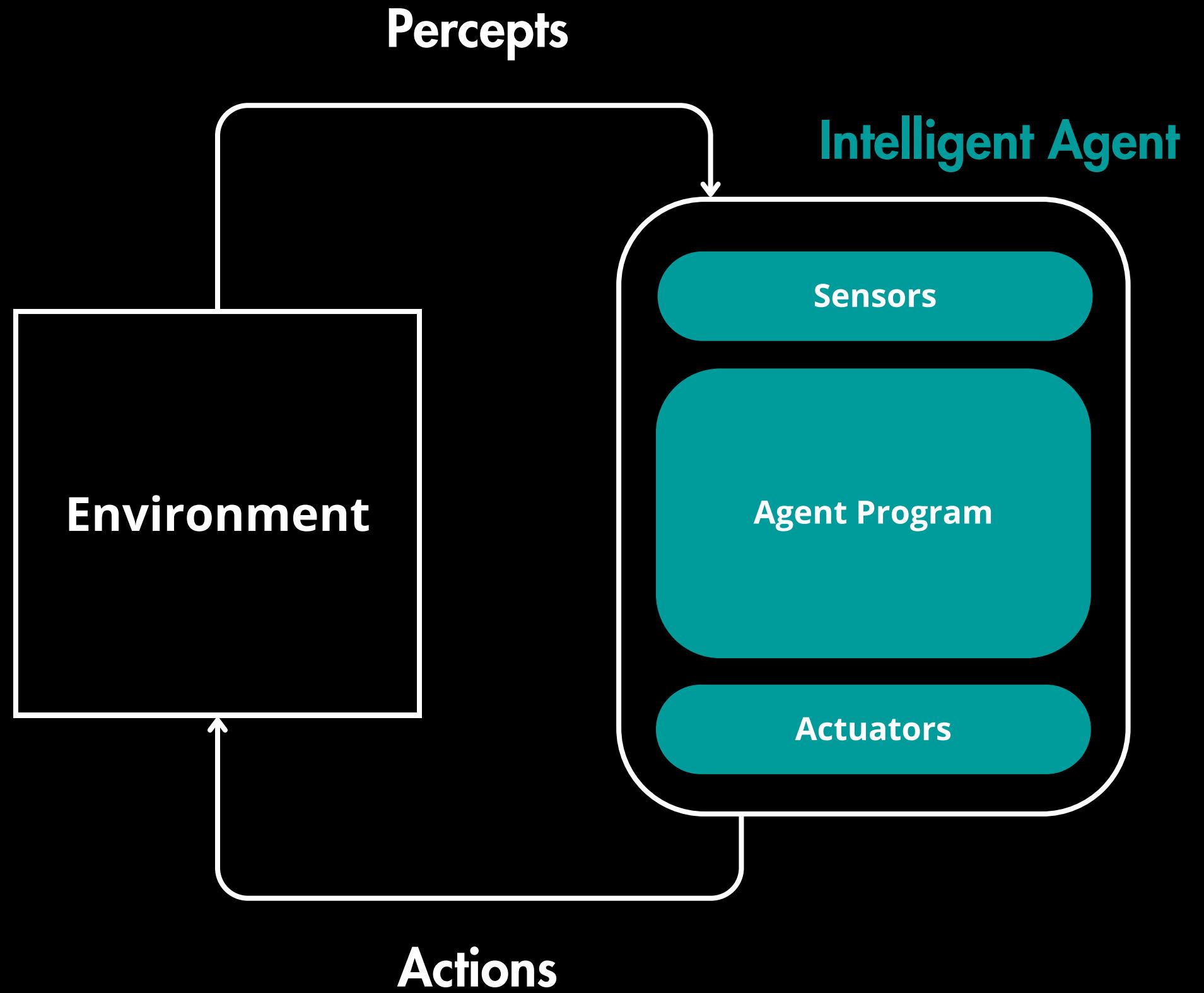


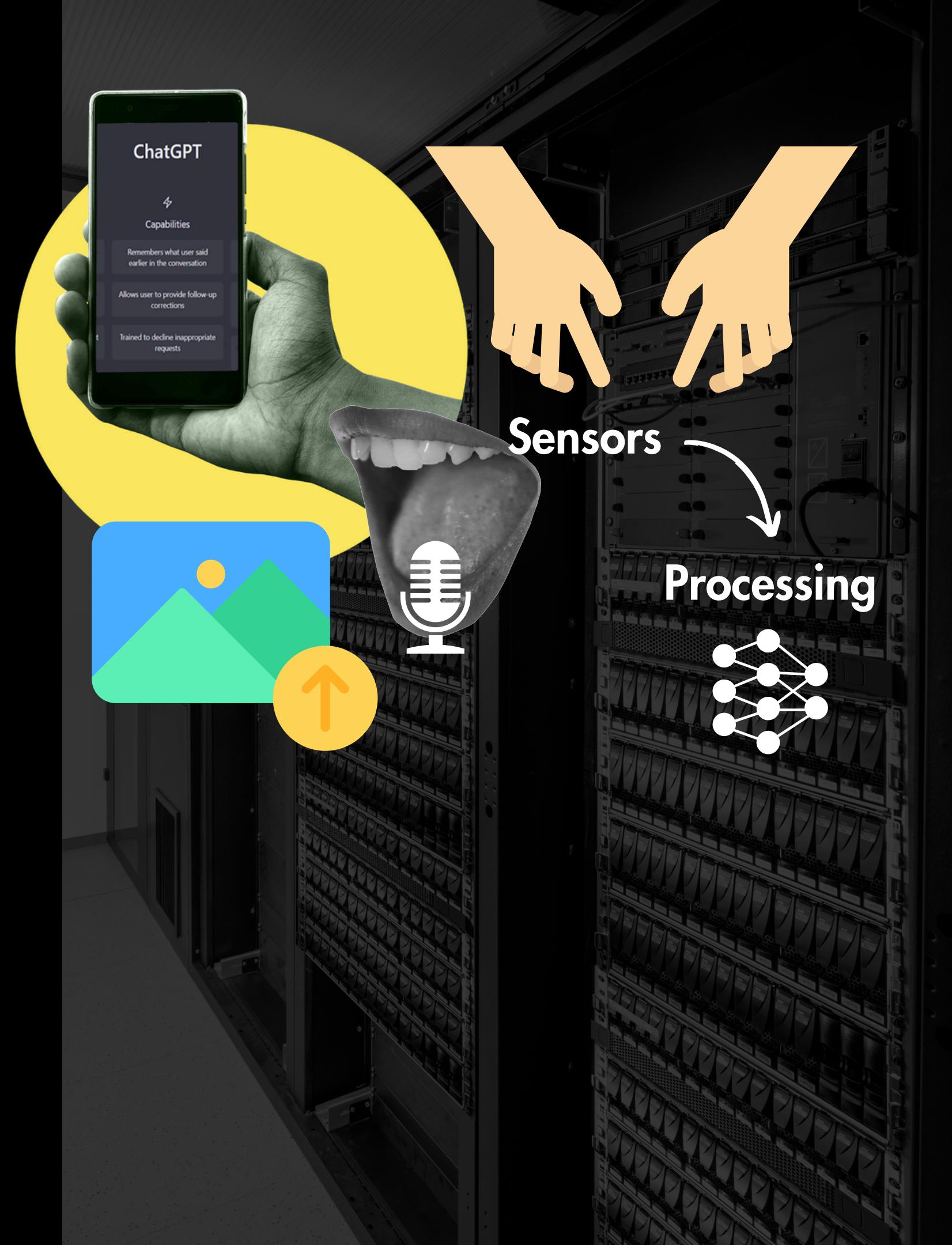
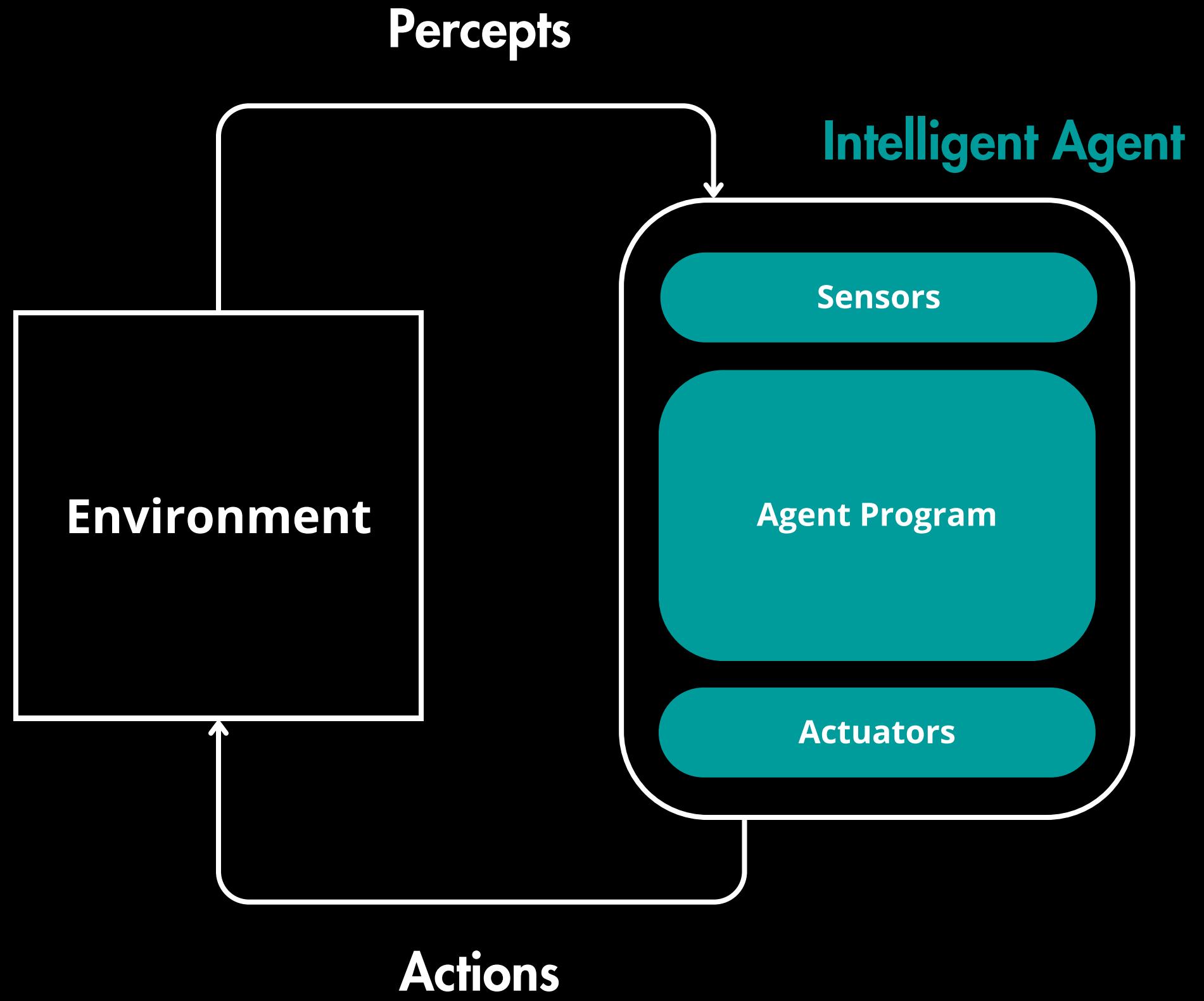


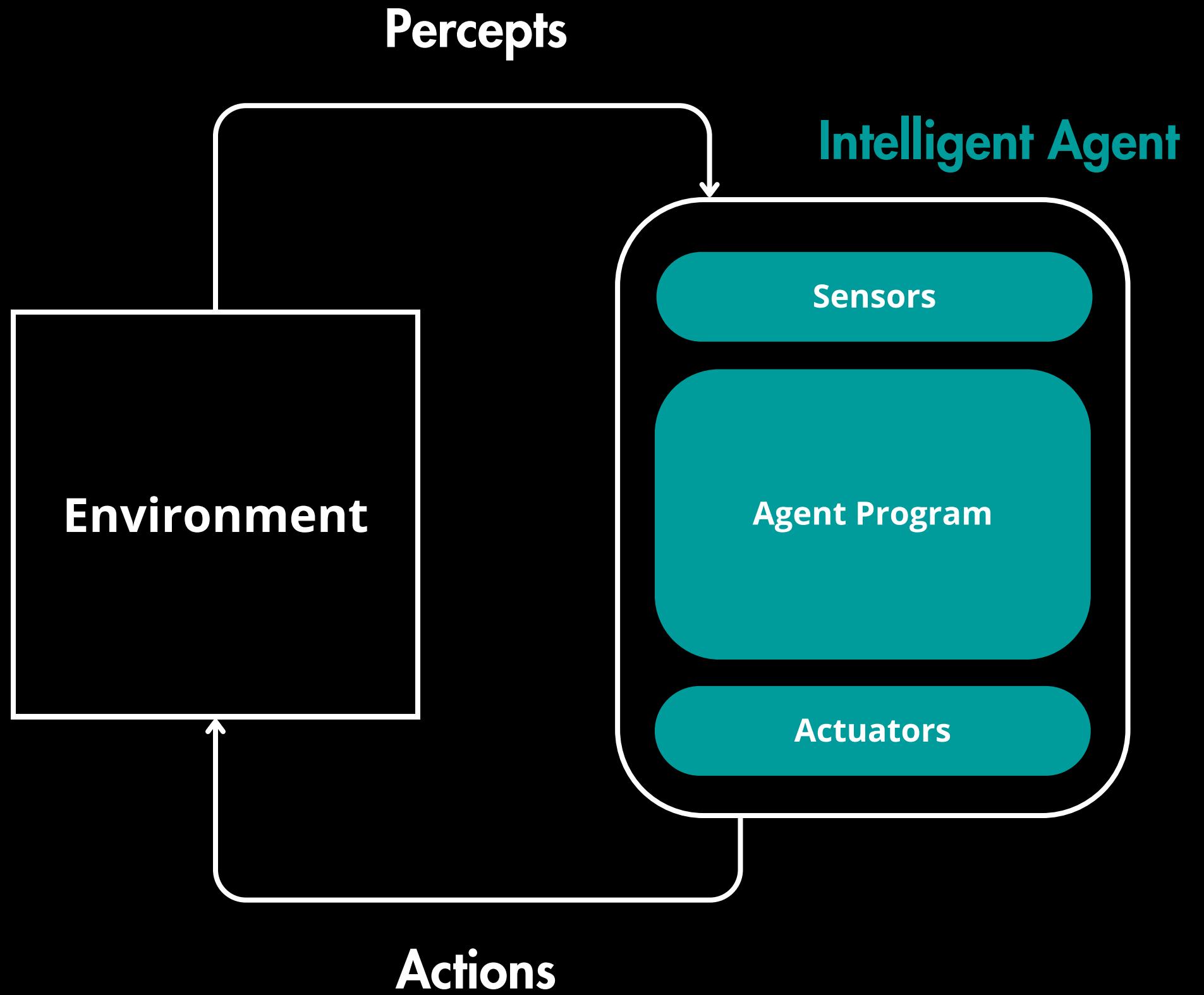


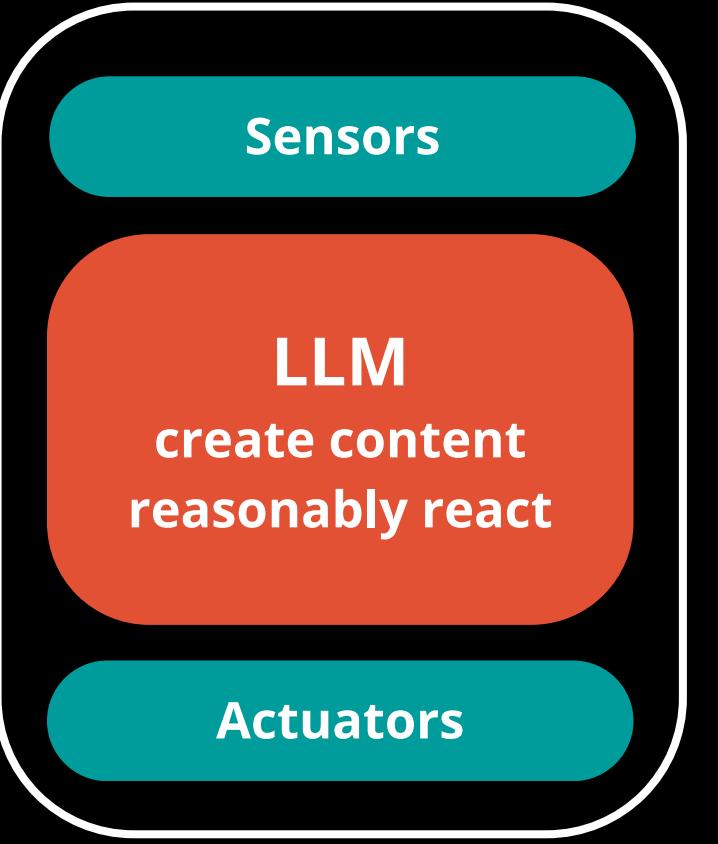


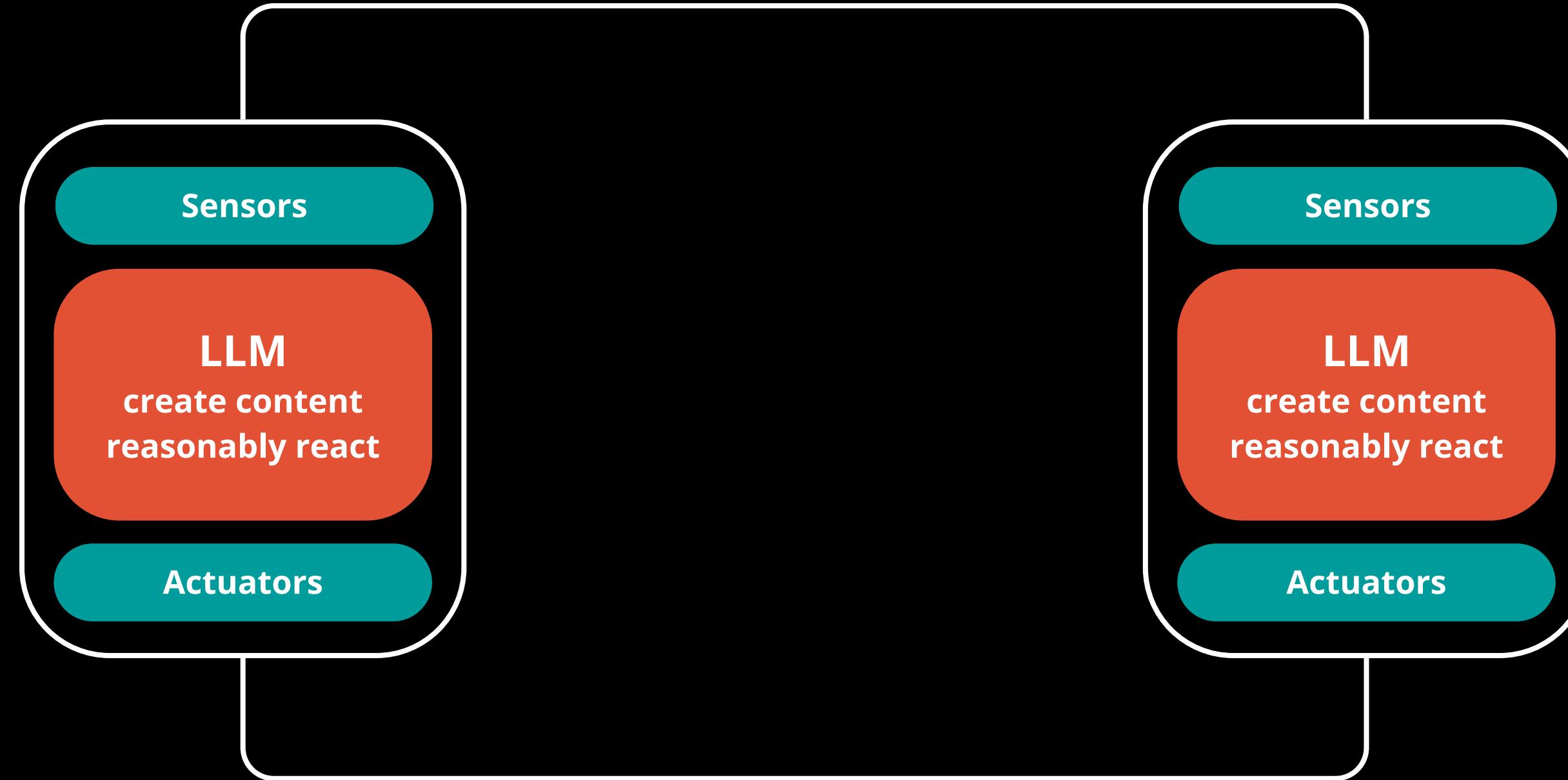










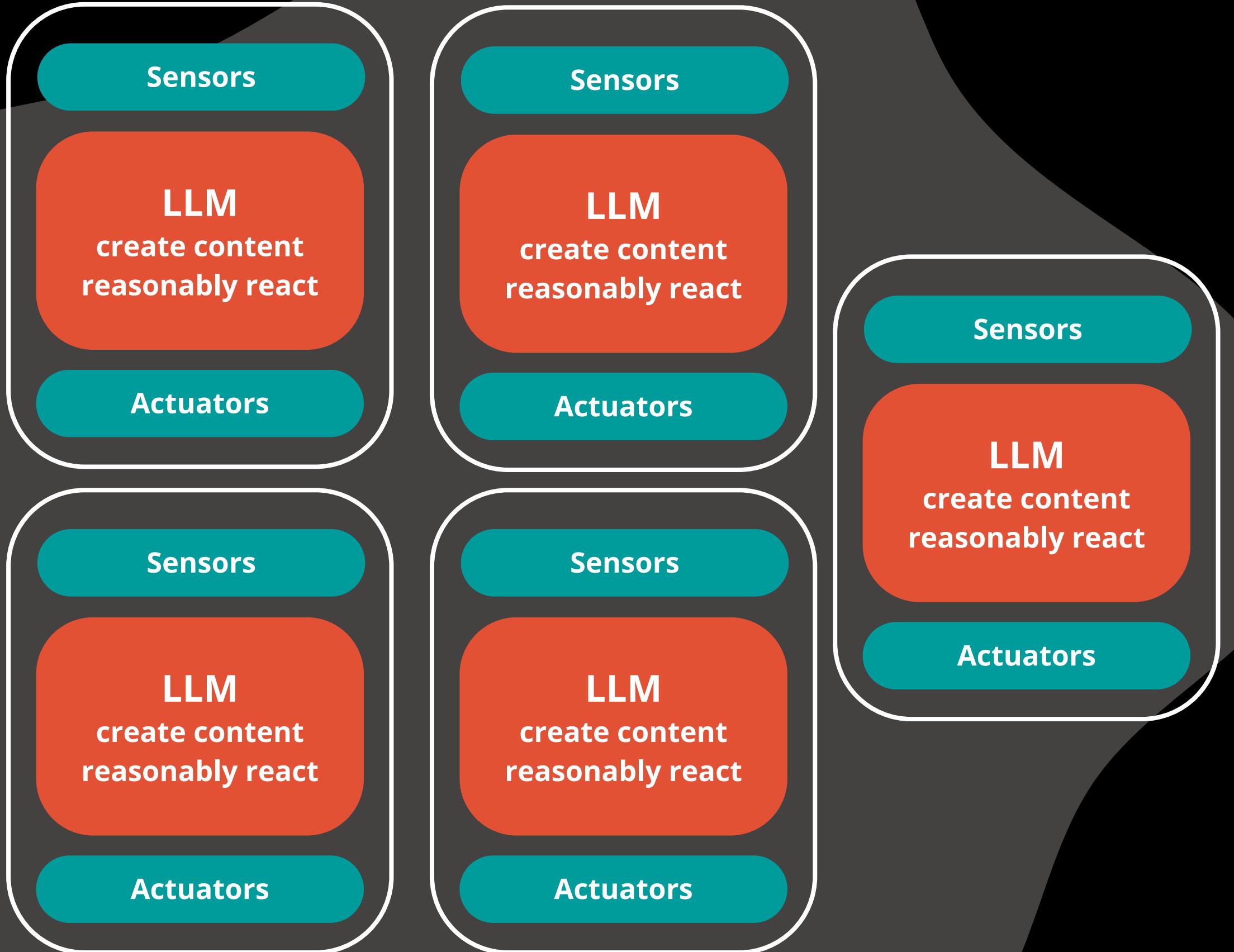


Sensors

LLM
create content
reasonably react

Actuators

Shared Goal or Problem to Solve



**Actions &
Responses**





Crew

Agents have the inert ability of reach out to another to delegate work or ask questions

AI Agents

AI Agents

AI Agents

Tools

Process

Task

Task

Processes define how agents will work together. How tasks will be assigned. Interaction with each other. How they will perform work.

Tasks can override agent tool with specific ones that should be used and also have a specific agent tackle them.

Outcome

crewai.com

docs.crewai.com

github.com/crewAllInc/crewAI

CODE TIME

```
function activeElement( type ) {
    var elem, selector, data, fn, one;
    if ( type == "focus" ) {
        // Types can be a map of types/handlers
        if ( typeof types === "object" ) {
            // types-Object, selector
            if ( selector == "string" ) {
                data = data || selector;
            }
            for ( type in types ) {
                if ( elem = types[ type ]( selector, data, types[ type ], one ) ) {
                    return elem;
                }
            }
        } else if ( type == "string" ) {
            data = data || type;
            if ( fn = document.activeElement ) {
                elem = fn();
            }
        }
    }
    if ( data == null && fn == null ) {
        elem = document.activeElement;
    }
}
```

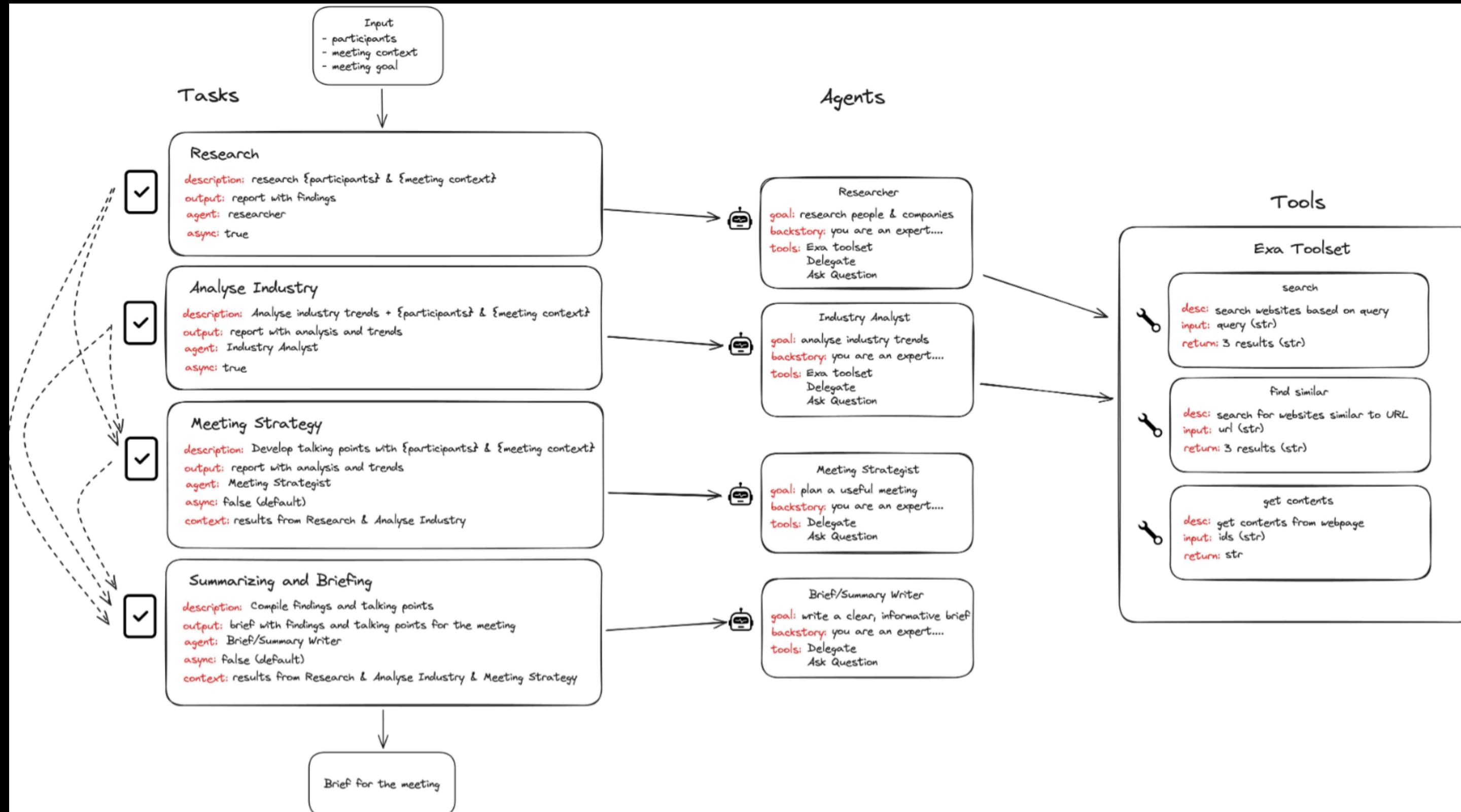
Al le **esto** garde babbal hunthyo!

What is your **esto?**
Describe the purpose/goal of your Crew

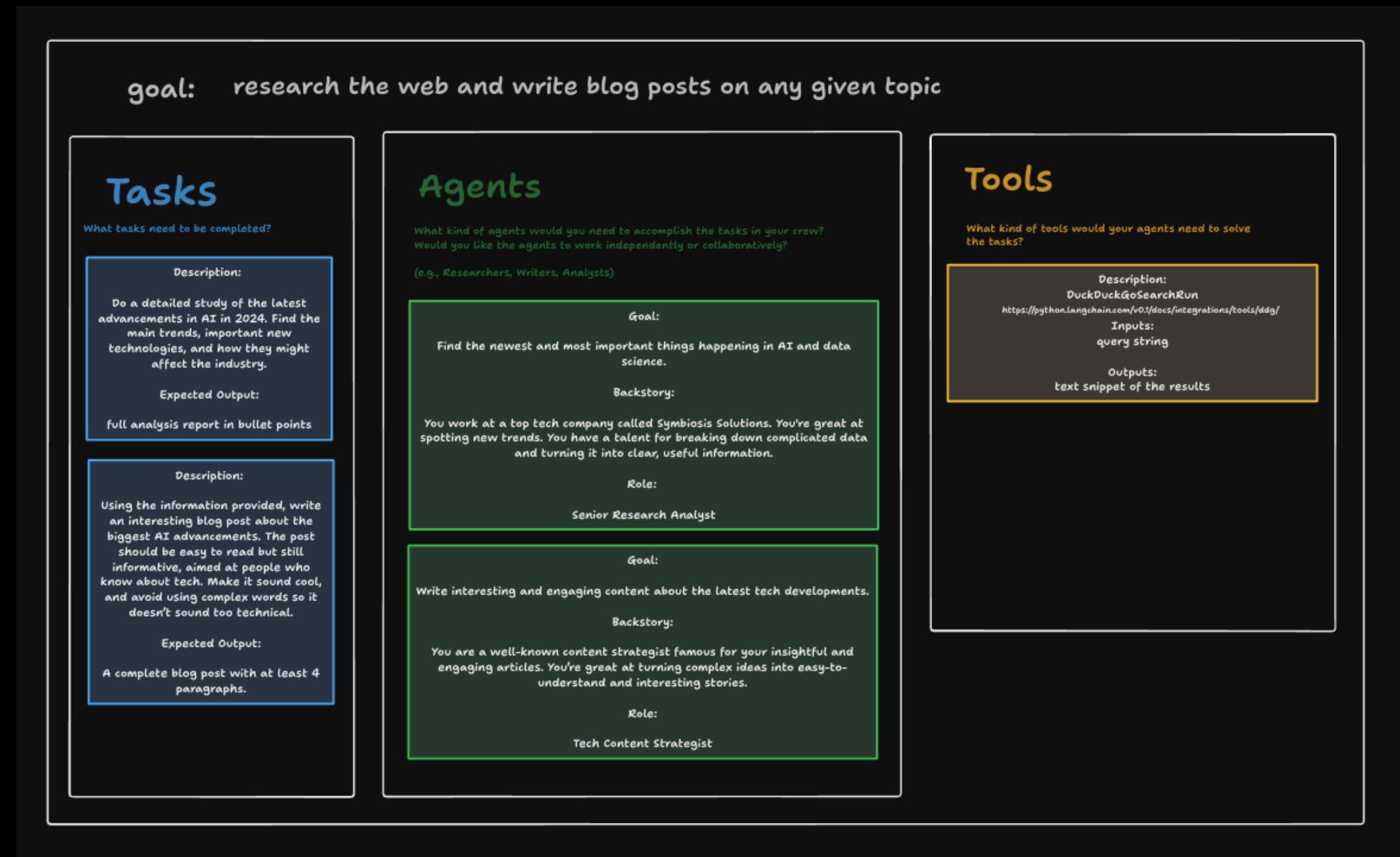
As a <**who?**>, I want an AI that can <**what?**>, so that <**why?**>

- **Who:** The subject of the action
- **What (Goal):** The action you want the AI to perform
- **Why:** The desired outcome

<https://alejandro-ao.com/crew-ai-crash-course-step-by-step/>



Let's Design your Crew!



https://www.tldraw.com/r/xpfwKMes88EyjVVrlXIAp?d=v-542.-1990.5352.2716.ltE_lcQFXnGhg25BUzeYt

Let's Design your Crew!

Build it!

crewai.com

docs.crewai.com

github.com/crewAllInc/crewAI

check out some examples:

<https://github.com/crewAllInc/crewAI-examples>





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SOLUTIONS



Congratulations on completing

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3 DAY VIRTUAL WORKSHOPS



<https://forms.gle/r68jFevAprF2JcFG9>

