

基于人工智能的 新界面交互设计

Rokid



Design

设计



Artificial Intelligence

人工智能

1930s



1970s



1980s



1990s

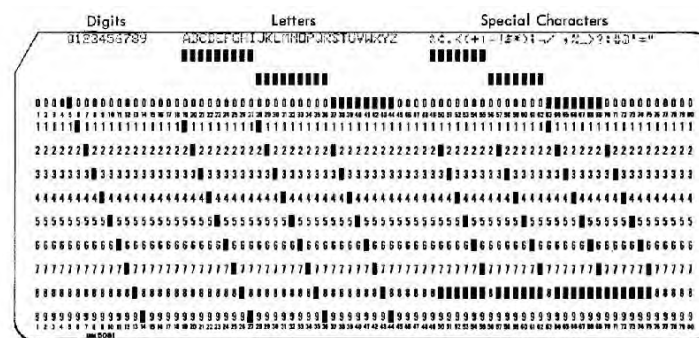


2000s





Tape



Punched card



Command-line
Keyboard



GUI
Mouse



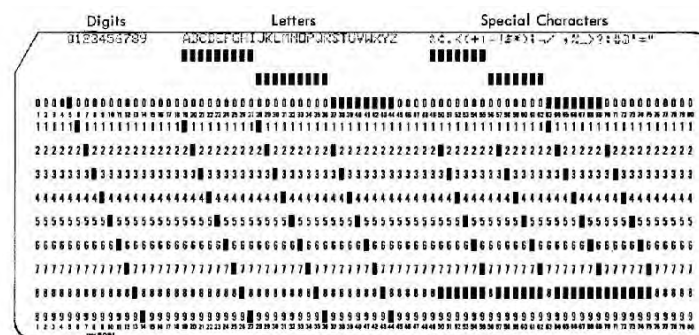
PDA
Stylus



Smartphone
Touch



Scientist



Researcher



Programmer



Hobbyist



Adult



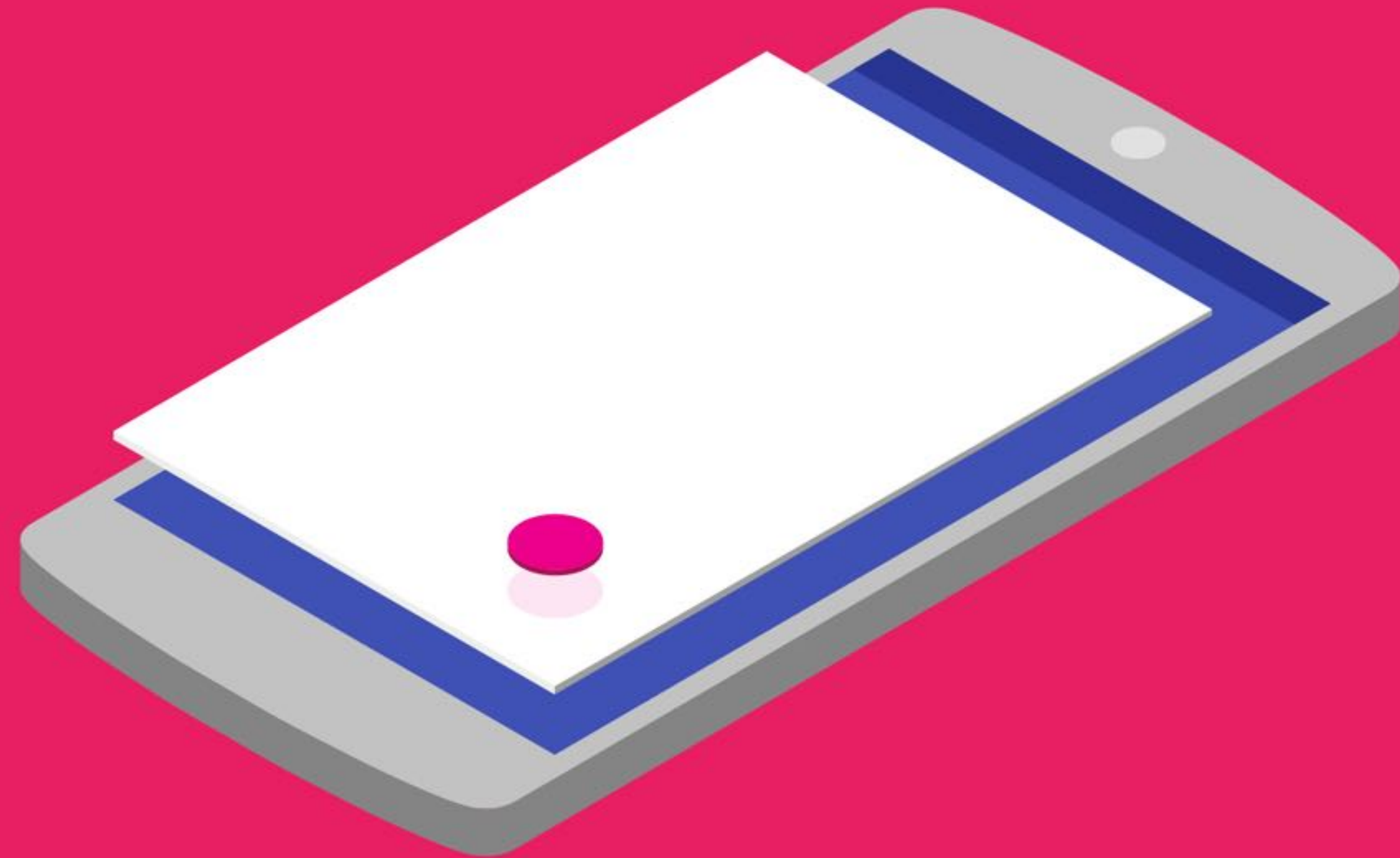
Baby
(Everyone)



Natural & Intuitive

—
自然 & 本能

Material Design



GD

Material · Motion ↗

Making Material Design





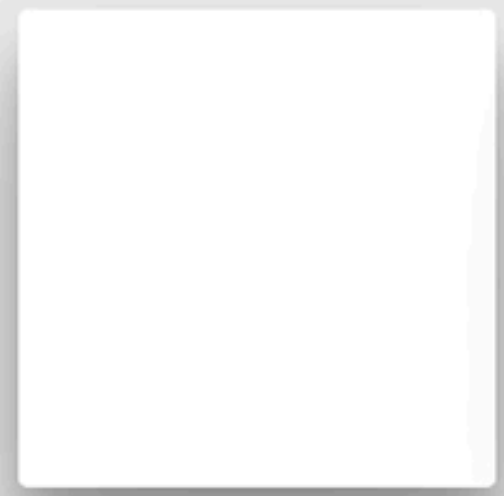
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z-depth = 2



z-depth = 3



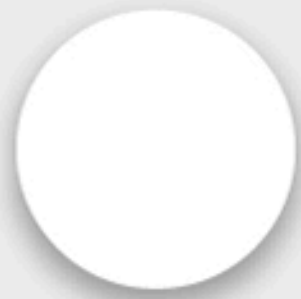
z-depth = 4



z-depth = 5



z-depth = 1



z-depth = 2



z-depth = 3

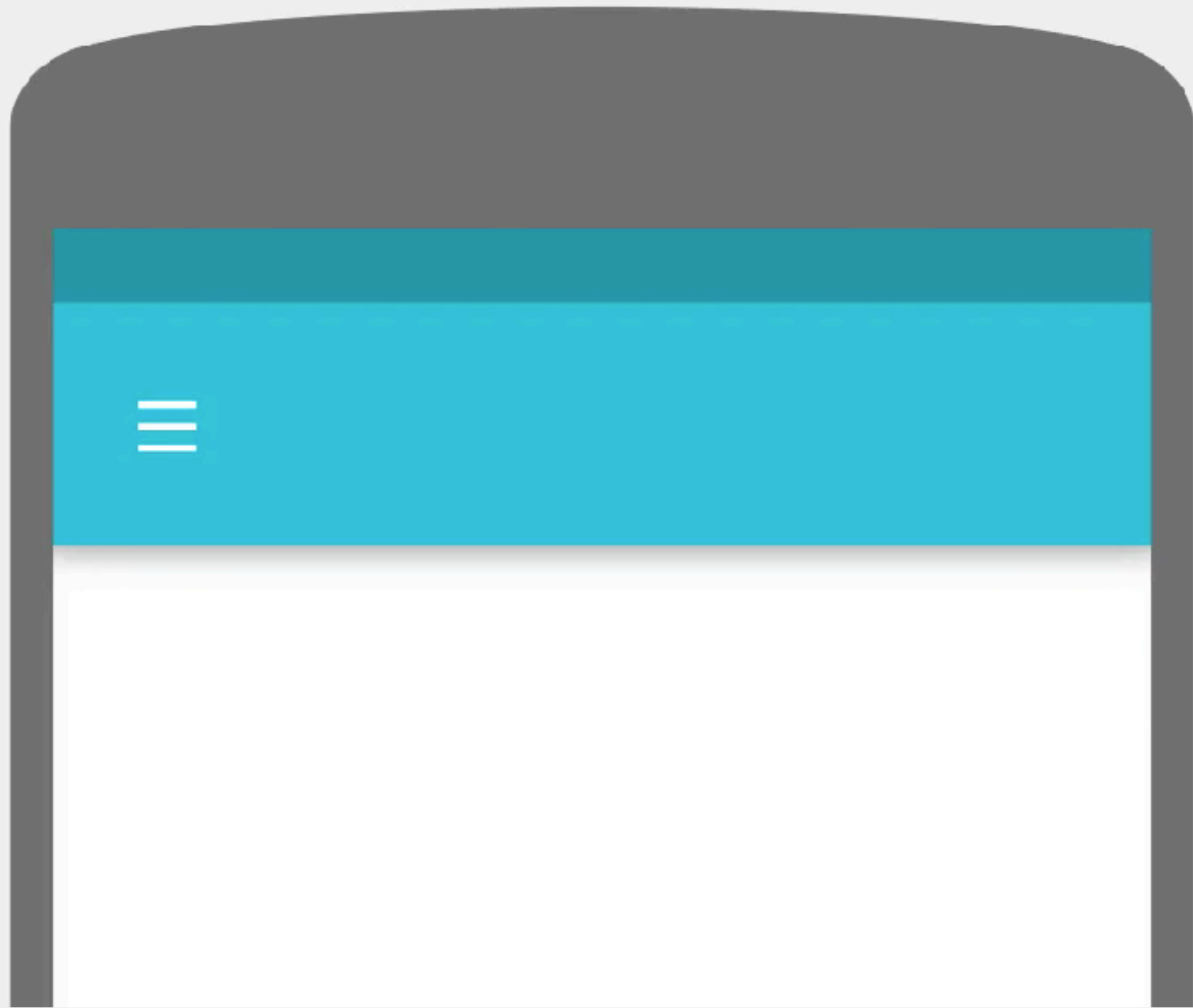


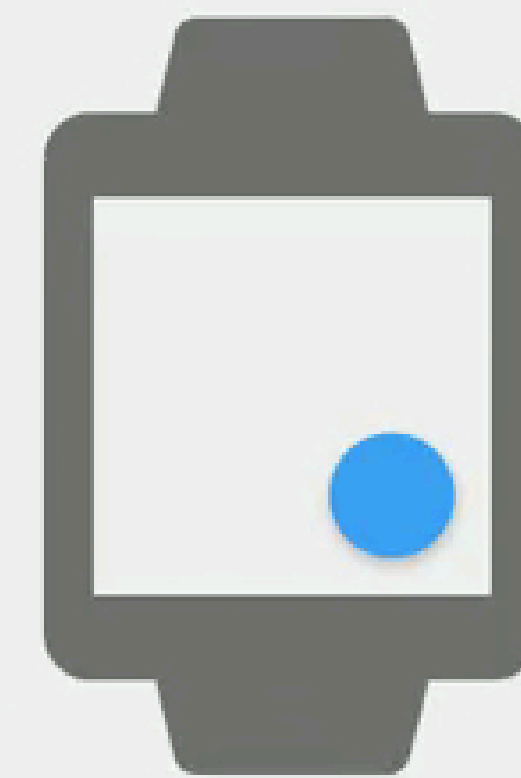
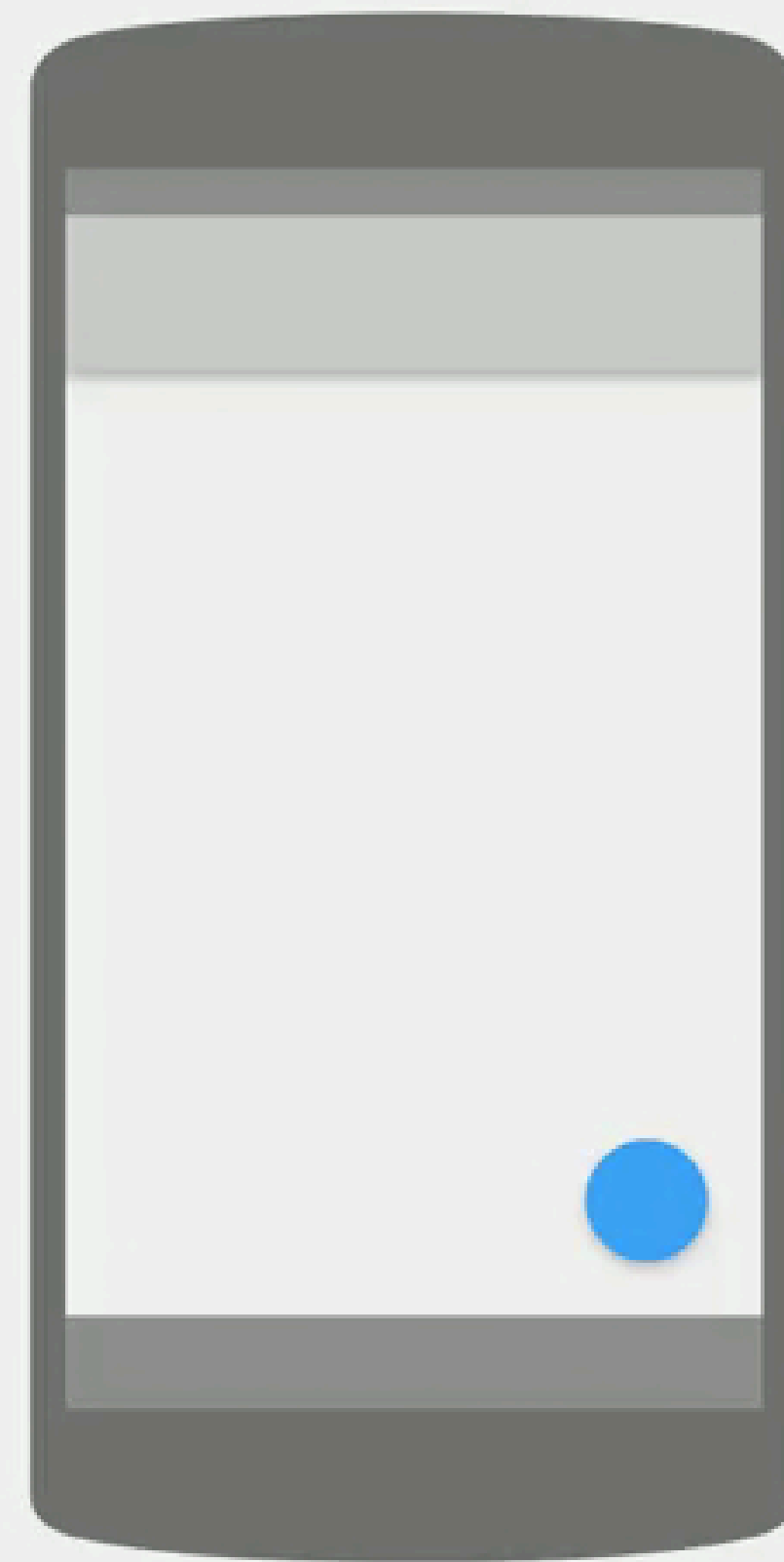
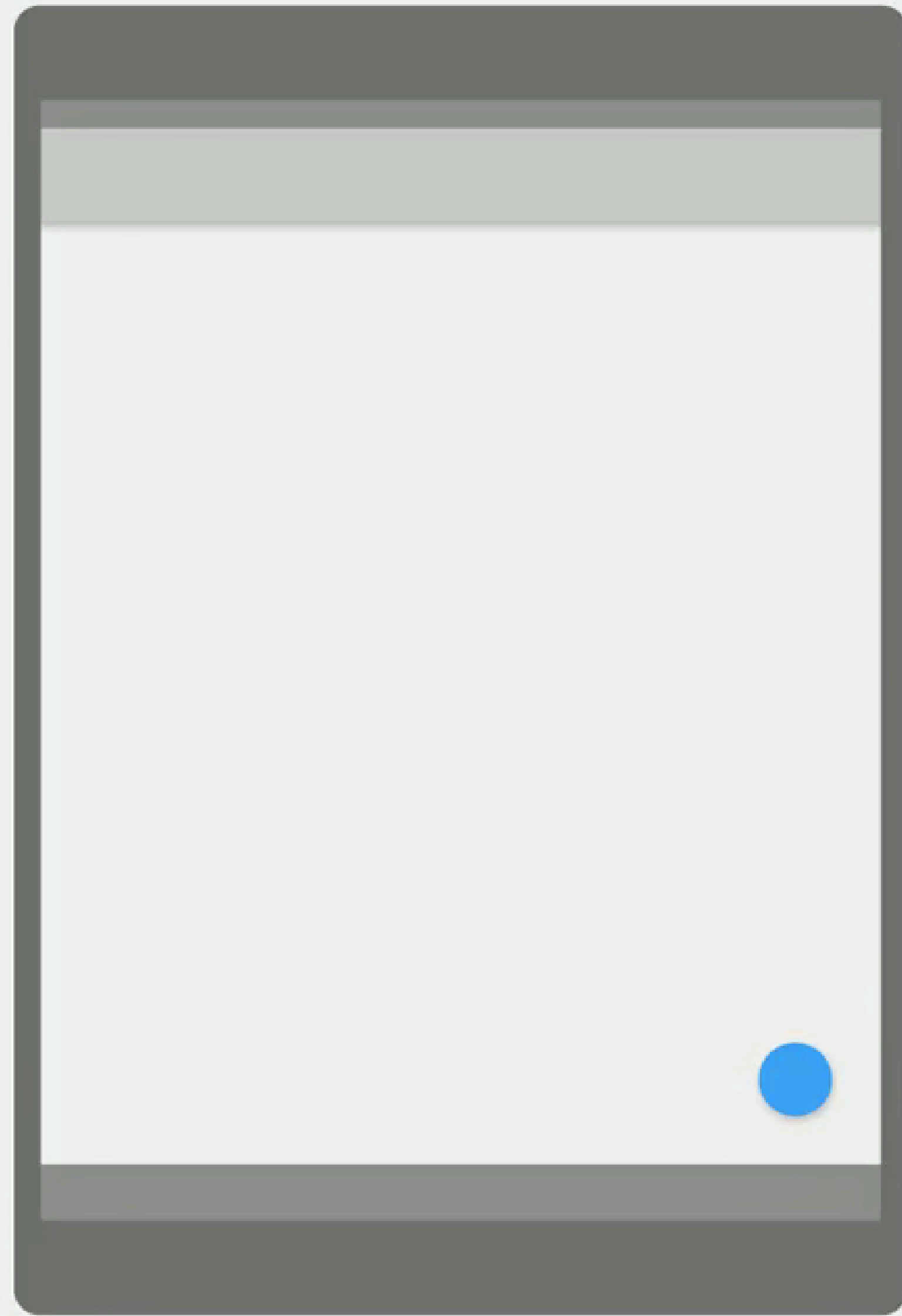
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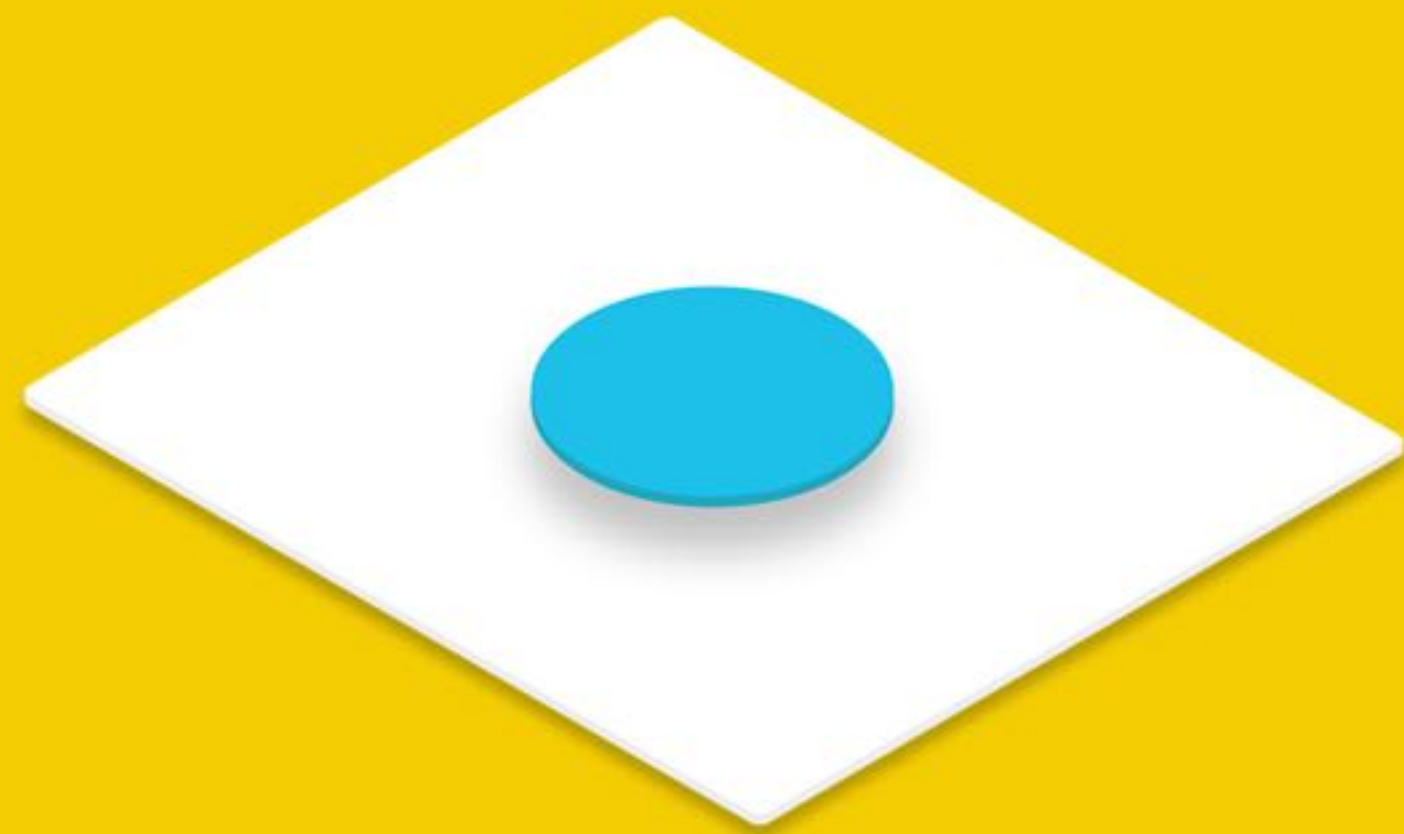


z-depth = 5









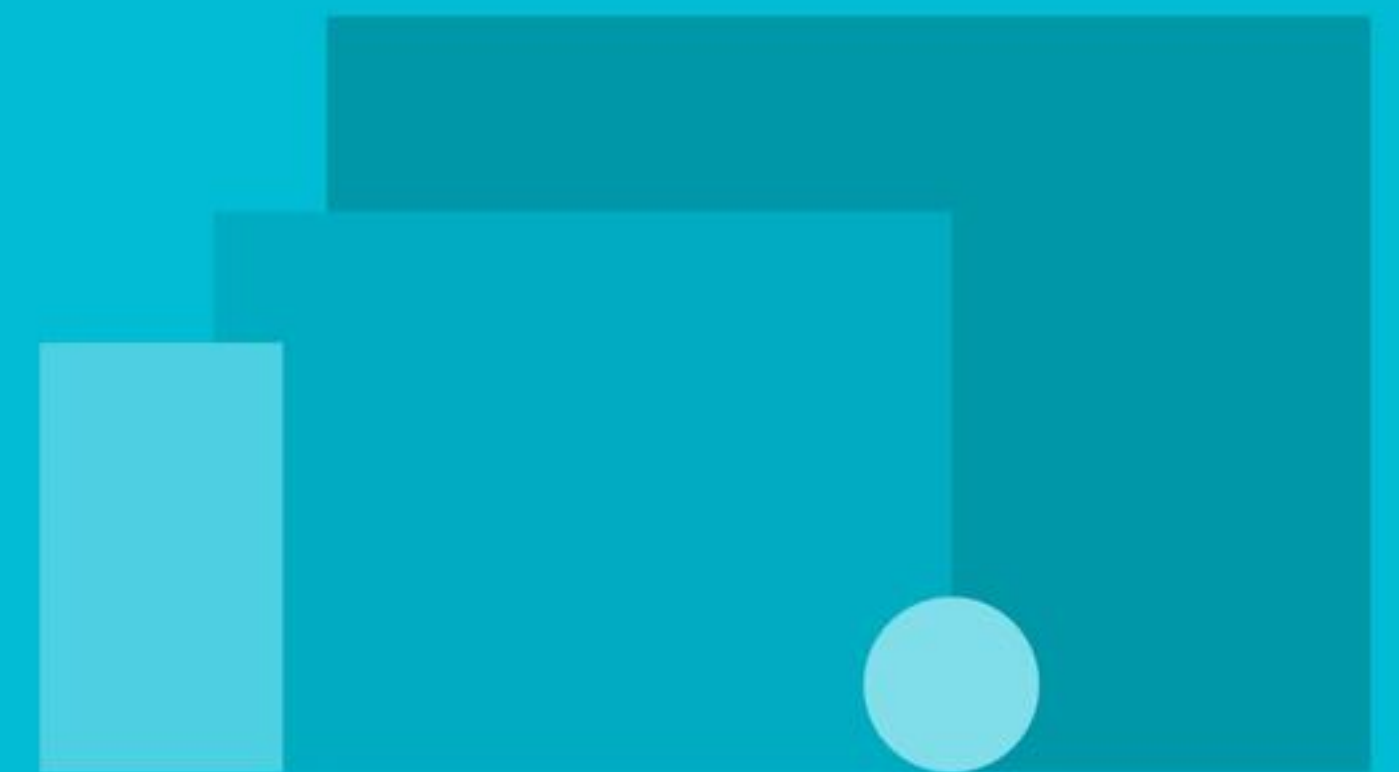
Tangible Surfaces

触控界面



Meaningful Motion

物理学运动



Adaptive Design

自适应设计



PEBBLE



PEBBLE 月石







Natural & Intuitive Design

更加自然，接近人本能的设计

Artificial Intelligence

人工智能

An aerial photograph of a two-lane asphalt road winding through a dense, lush green forest. The road is centered and runs vertically. The trees are vibrant green, with some taller, darker green trees on the left and more uniform green trees on the right. The overall scene is peaceful and natural.

Nature

自然

Intelligence

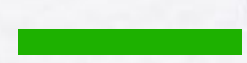
智能

Human

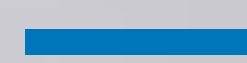
人



Data + **Algorithm**



数据



算法



Artificial Intelligence

人工智能

Machine Learning

机器学习

Deep Learning

深度学习

Artificial Intelligence

人工智能

1950s

Machine Learning

机器学习

1990s

Deep Learning

深度学习

2010s

Data & Cloud

大数据 云计算

Deep Learning

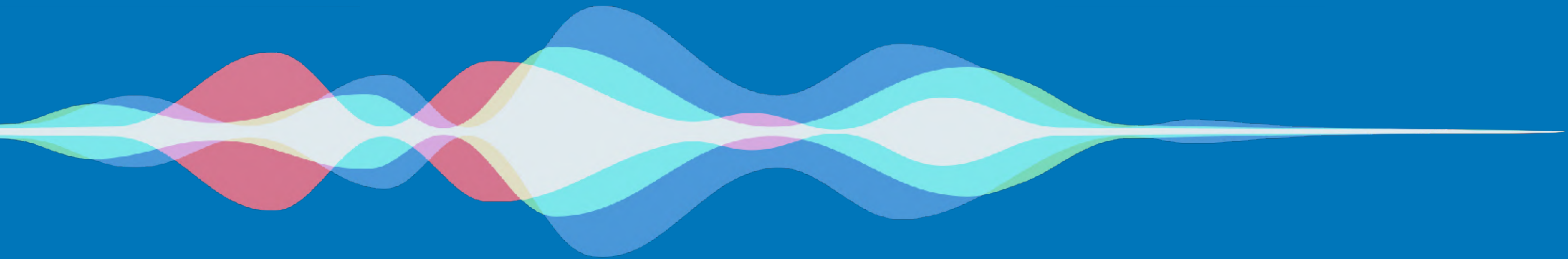
深度学习

GPU & TPU

图形处理器

Voice User Interface

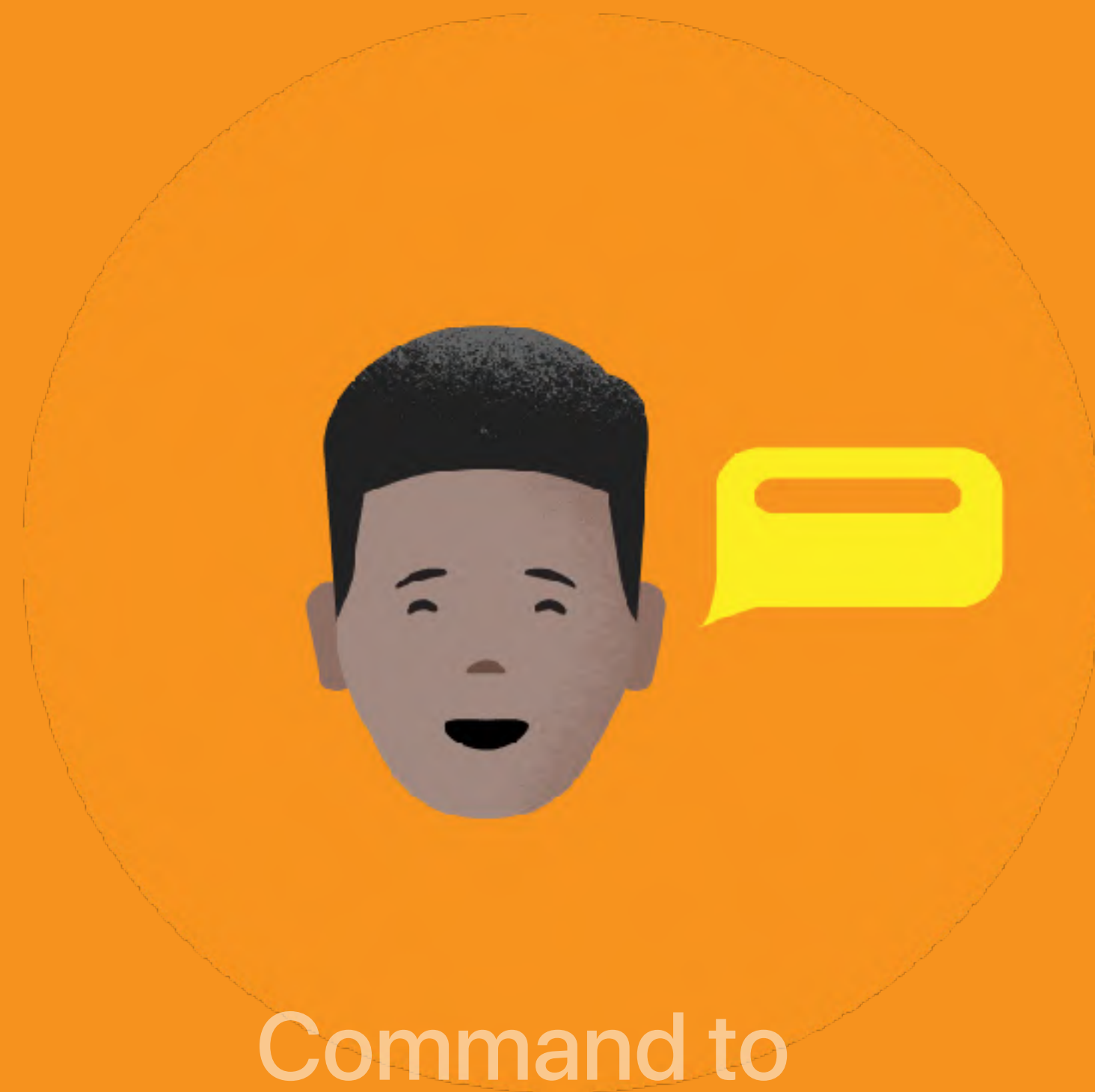
声音交互界面





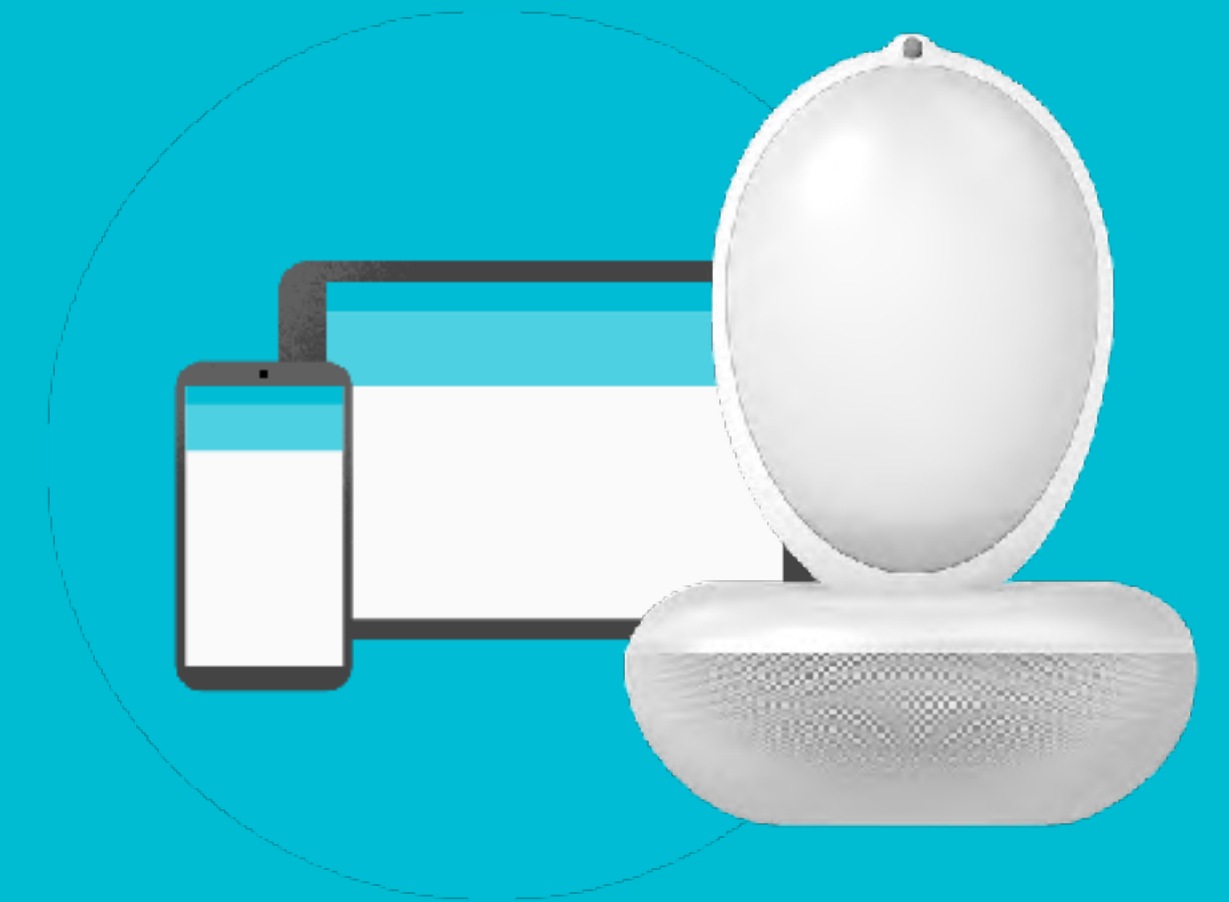
Function to Scenario

从功能化设计
到场景化设计



Command to Natural Language

从规则指令交互
到自然语言交互



Single Interface to Ubiquitous Interfaces

从单屏互动
到多屏互动

“若琪”



自然图形化界面



场景化需求



人性化交互

美的事物，是永恒的喜悦

让交互变得更加自然，简单



AI x Designer

人工智能x设计师

Natural & Intuitive

自然 & 本能

XUI

为所有感官而设计

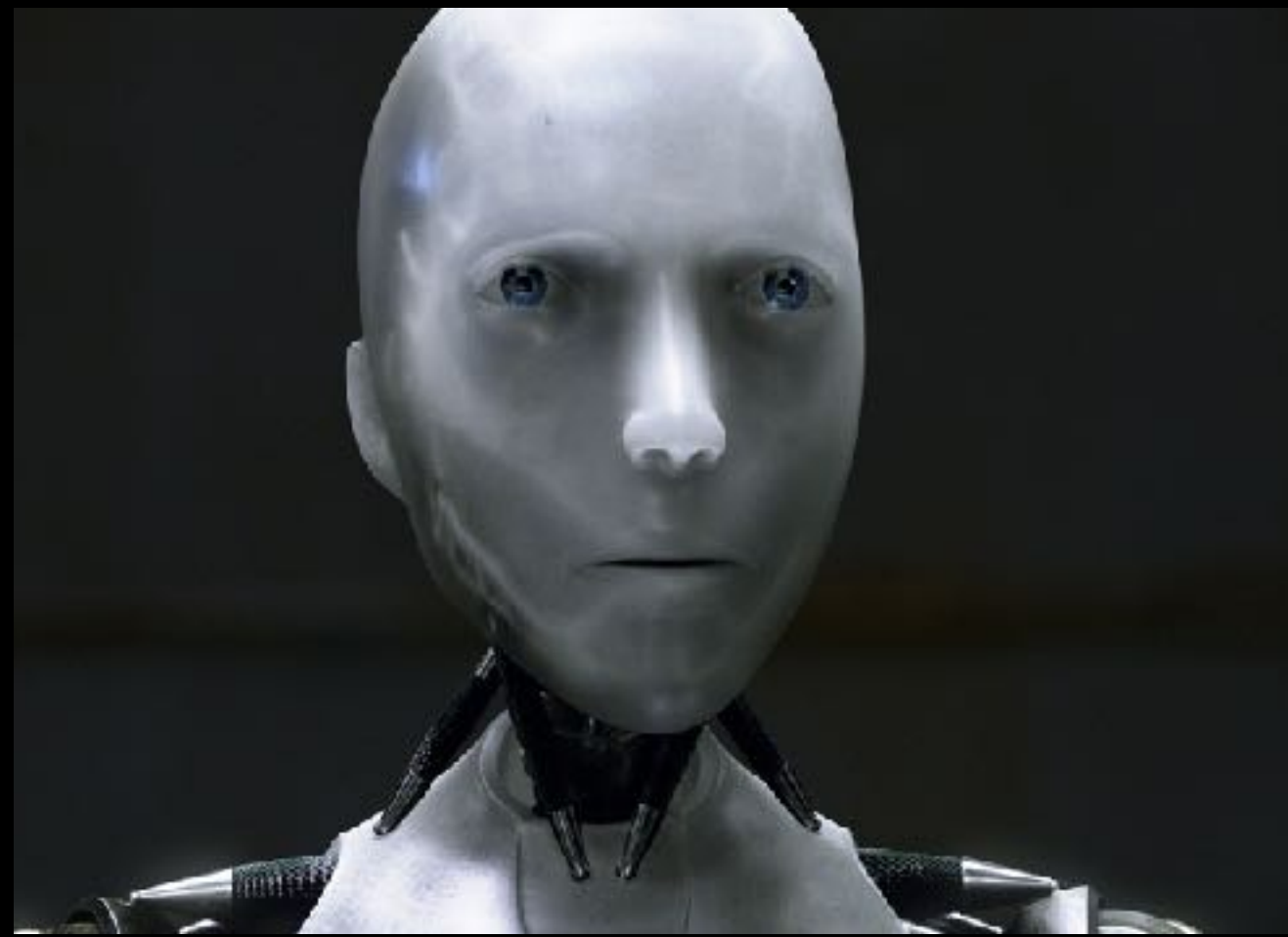
Progressive Design

渐进式设计





用户脑海中的人工智能



结局似乎都不太好

Her 离我们还有多远



我们希望：

他能跟我很正常的谈话 就像一个普通人

他会了解我 — 懂我

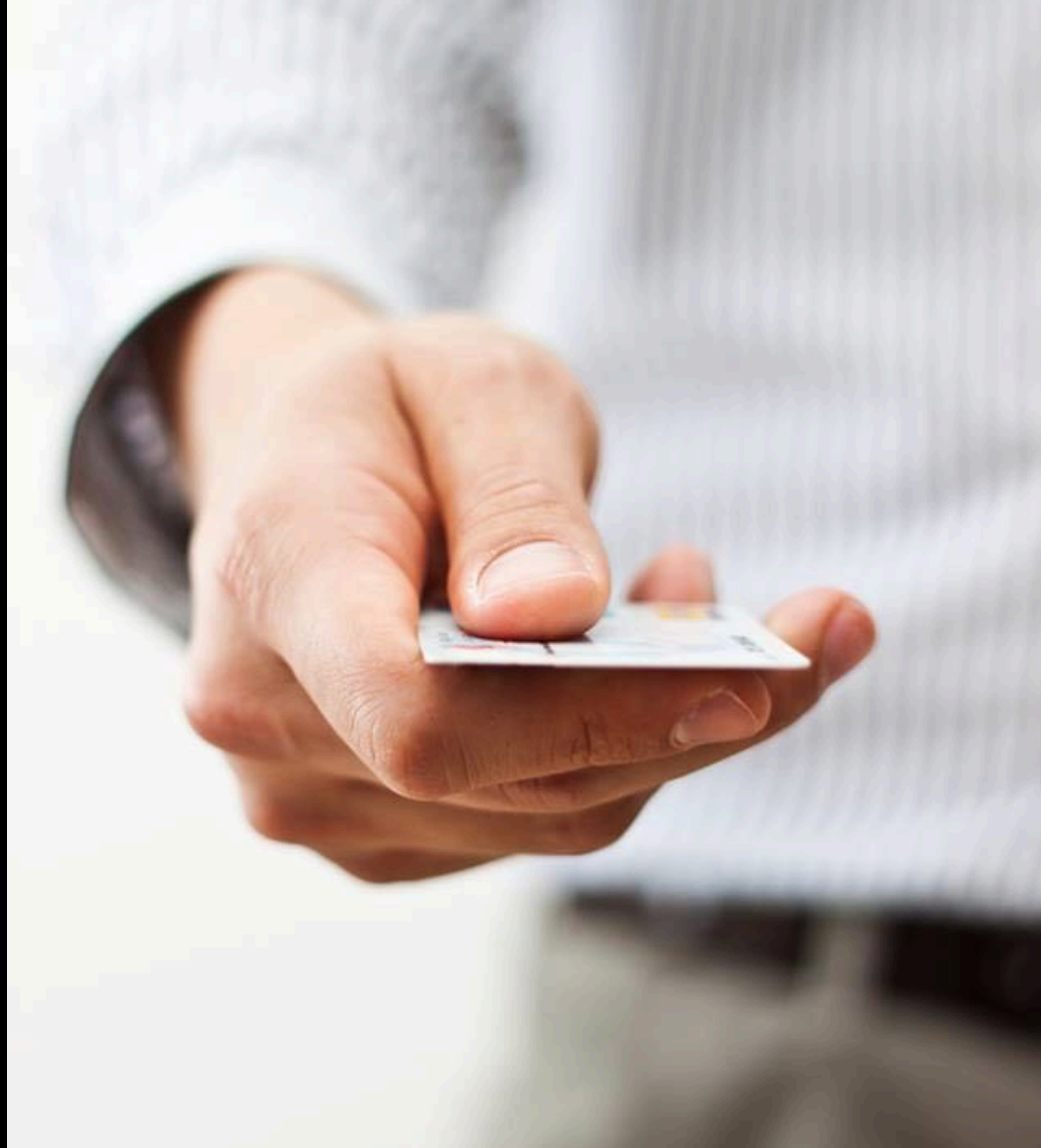
Rokid

他要让生活变得更简单

他会慢慢变聪明 他一直在学习

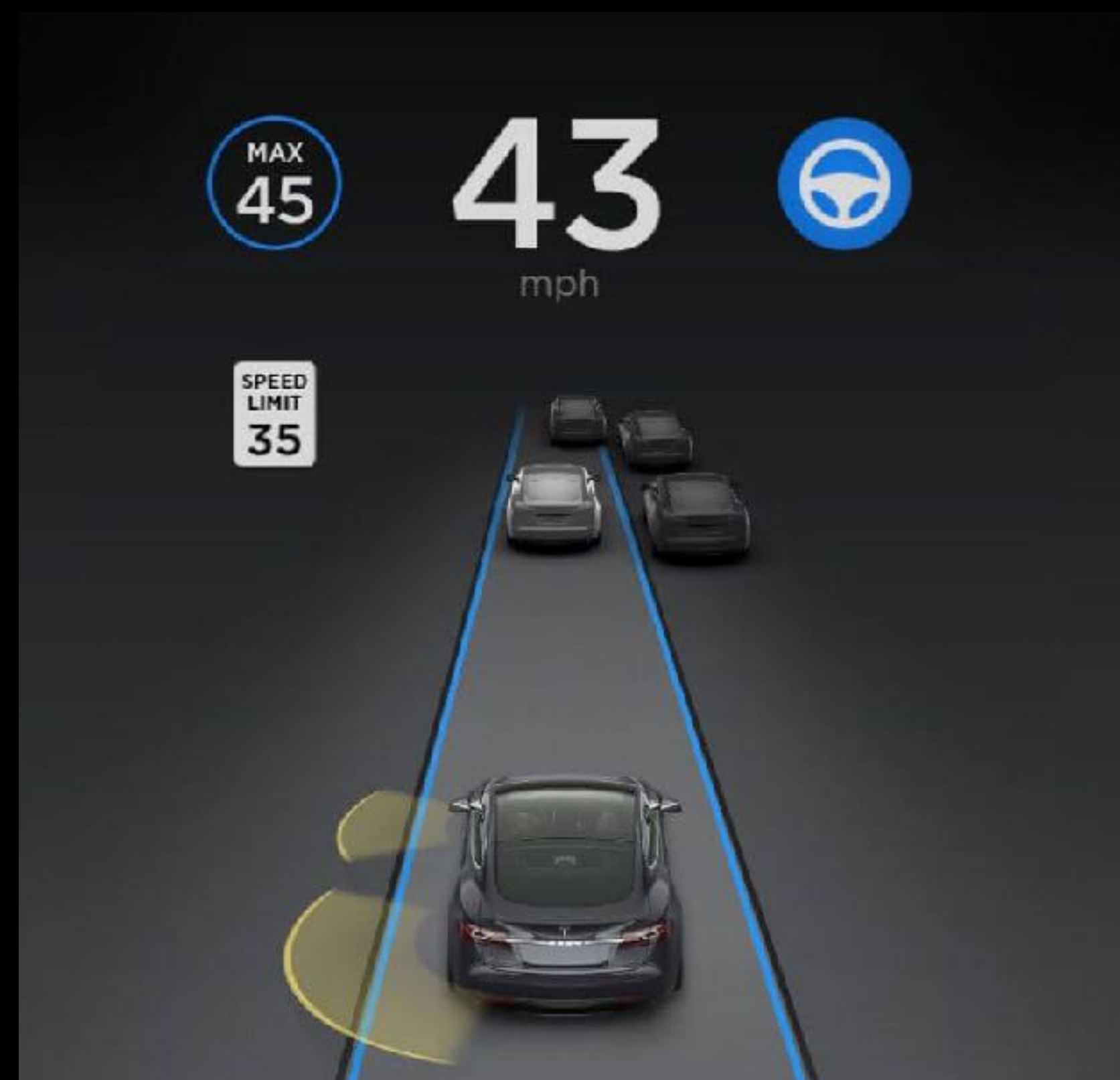
他要让人开心和给人惊喜

不靠谱的银行信贷评估





鲁莽的自动驾驶



“聪明”的智能家电



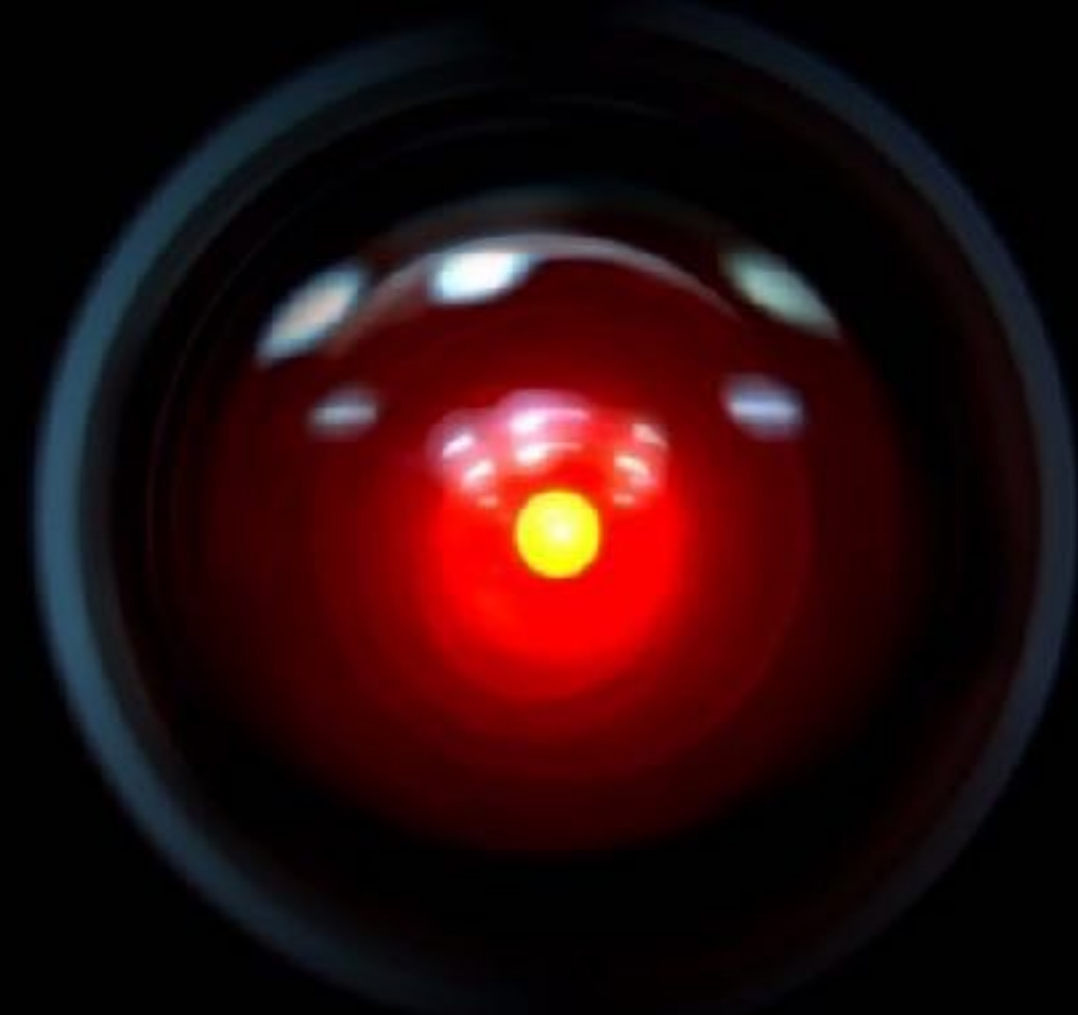
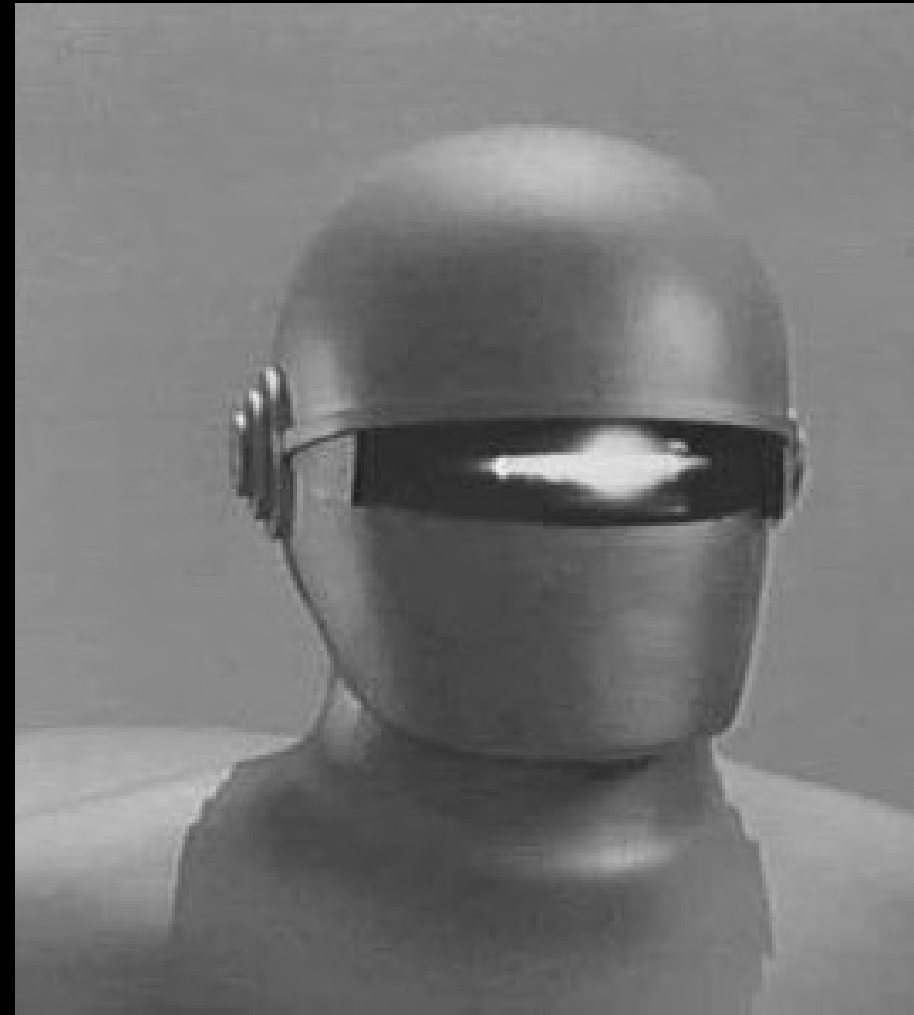
所谓的智能系统过度自满
它们自认为清楚什么对人们最好

如果机器被认为有“主见”
那他一定非常傲慢

人类：生物性和社会性质

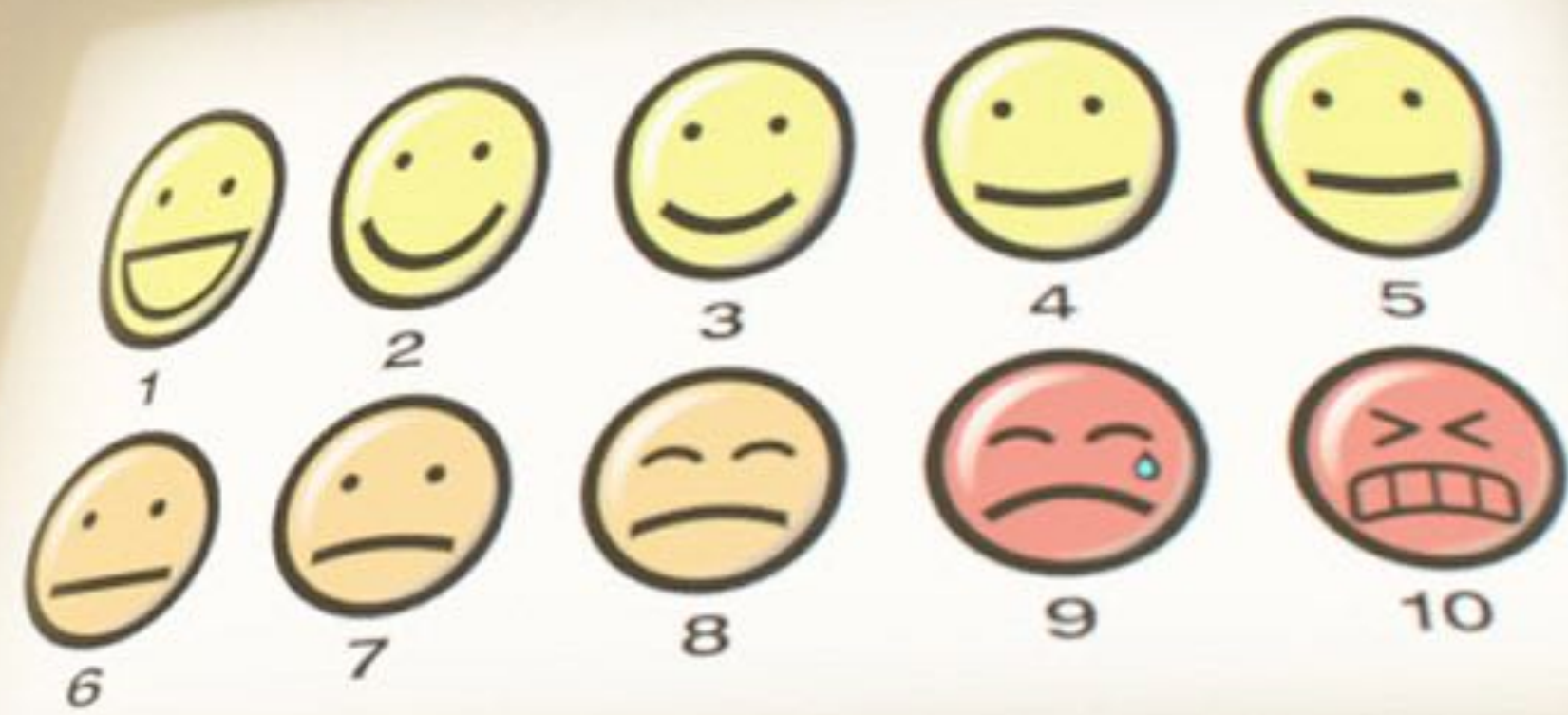
人工智能：逻辑...

设计一个基于人工智能的交互视觉设计

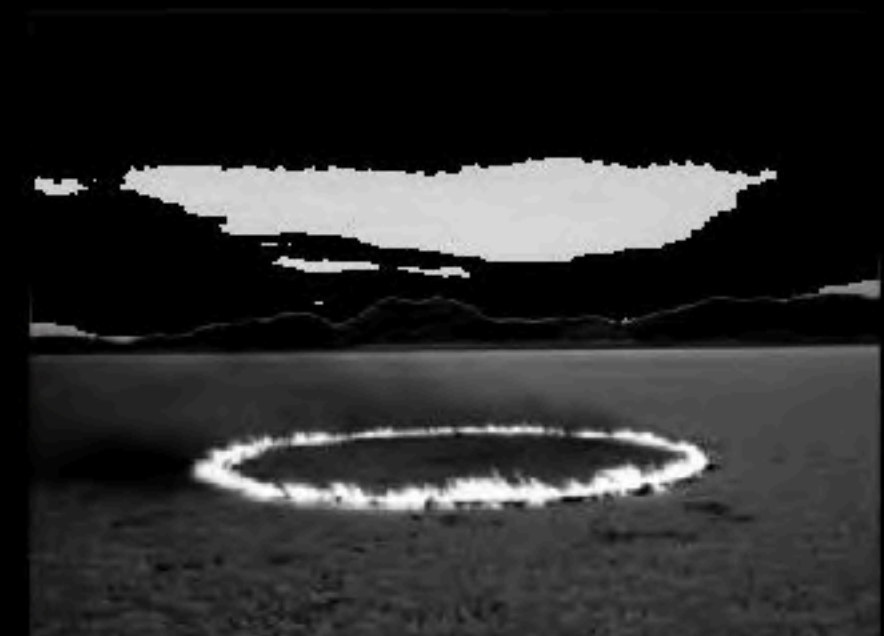
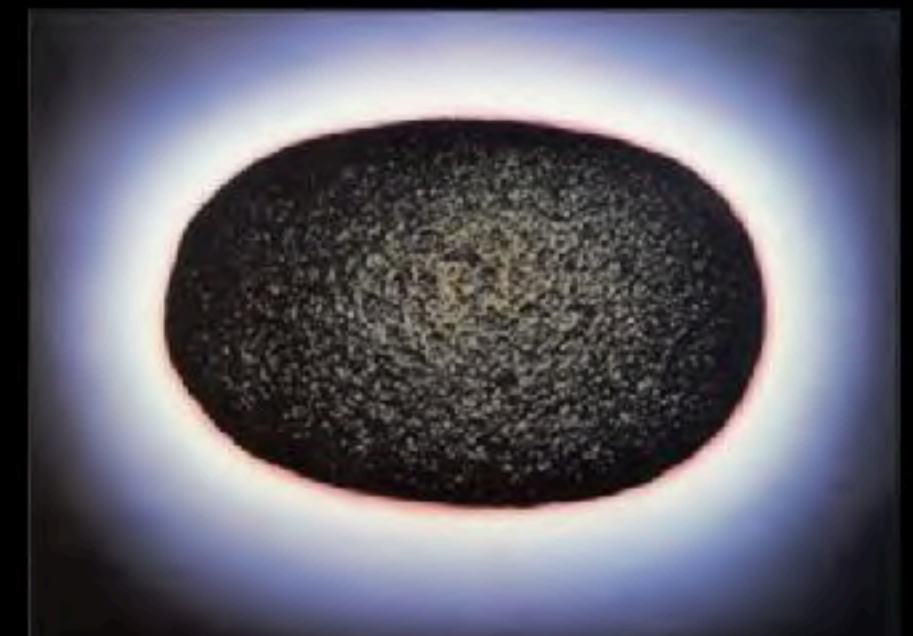
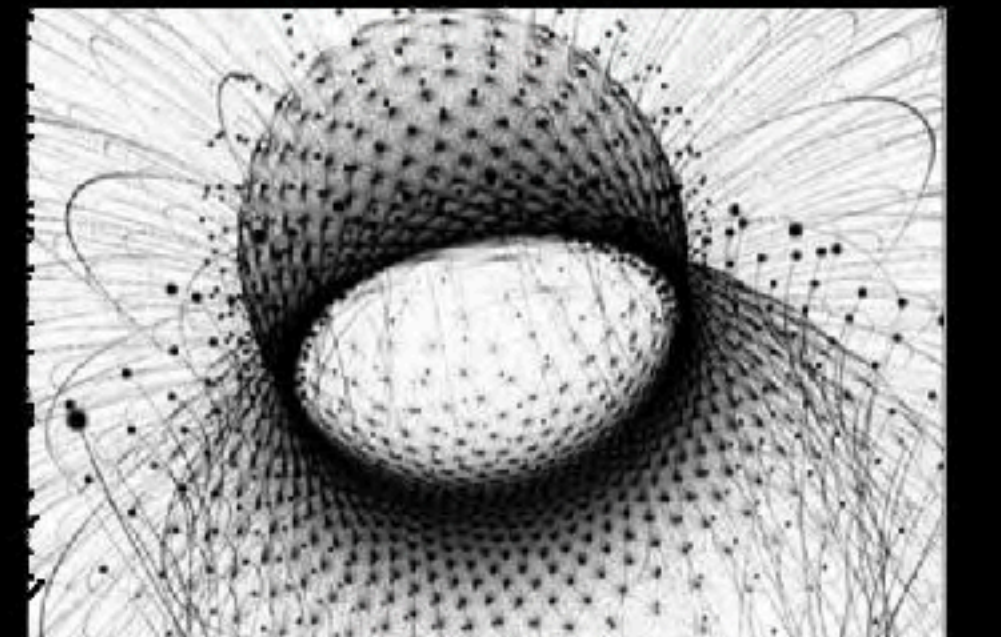
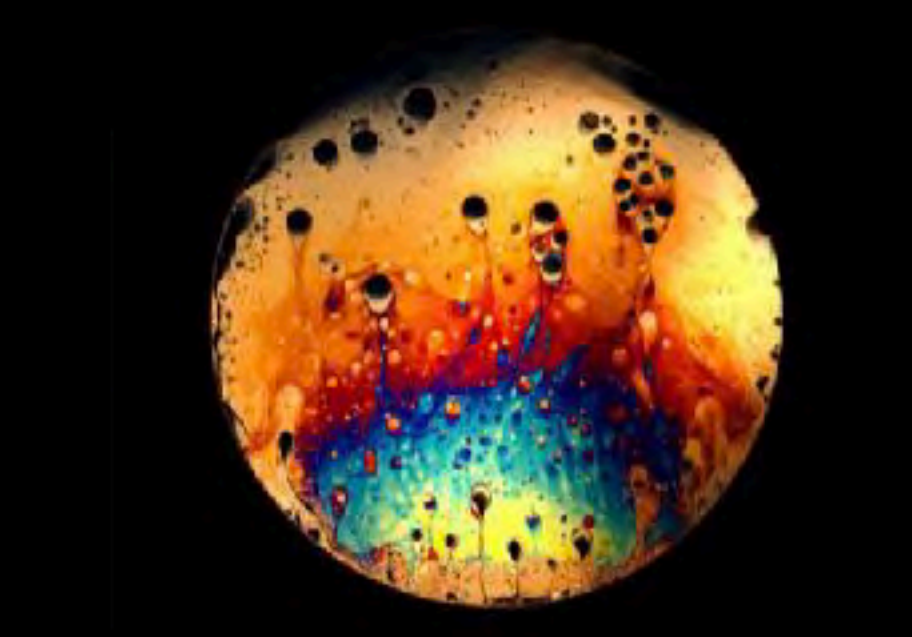
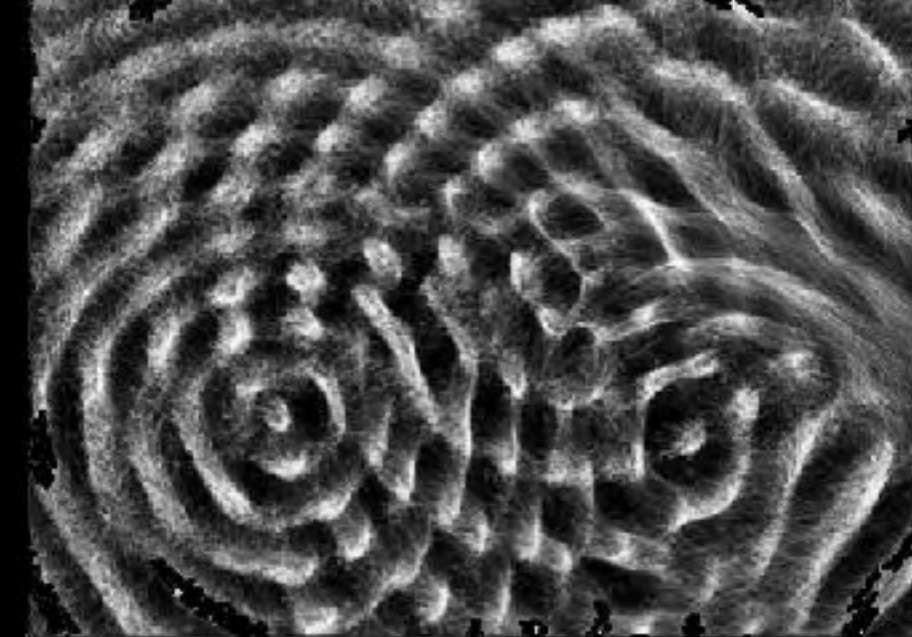


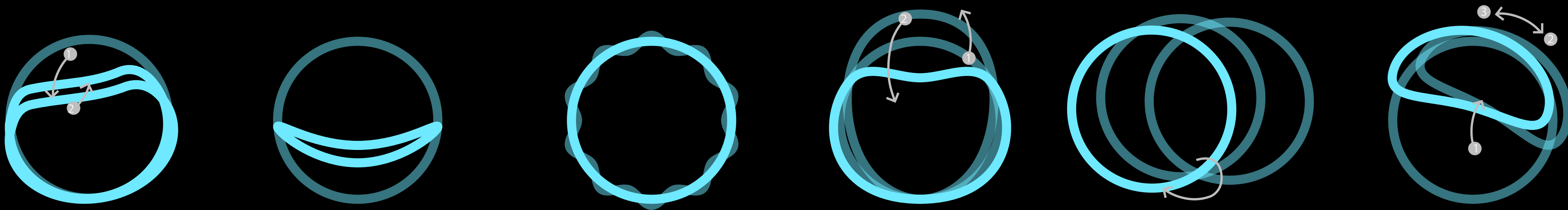
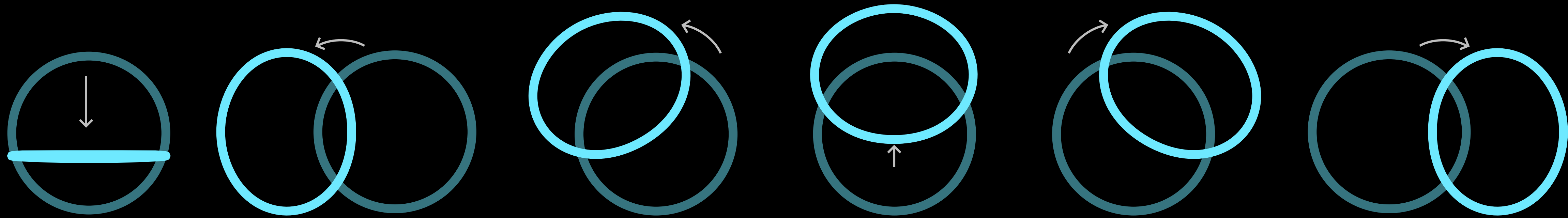
基于VUI+GUI
更多空间
更多的想象力





我们不是同类 但可以更好的协作





提供丰富、有内涵自然的反馈

基于场景，有预见性

易于理解、自然映射使互动清晰有效

没有负面情绪，不要用“错误”来形容用户的行为

THANKS

An aerial photograph of a tropical beach. The water is a vibrant turquoise color, and the sand is white. A long wooden pier extends from the beach into the water, with several blue and white speedboats docked at its end. On the beach, there is a thatched-roof building, a row of thatched umbrellas, and various beach toys like surfboards and kayaks. The text "这是最有想象力的交互方式" is overlaid in the center of the image.

这是最有想象力的交互方式



Participate

参与

Create

创造

Achievement

成就

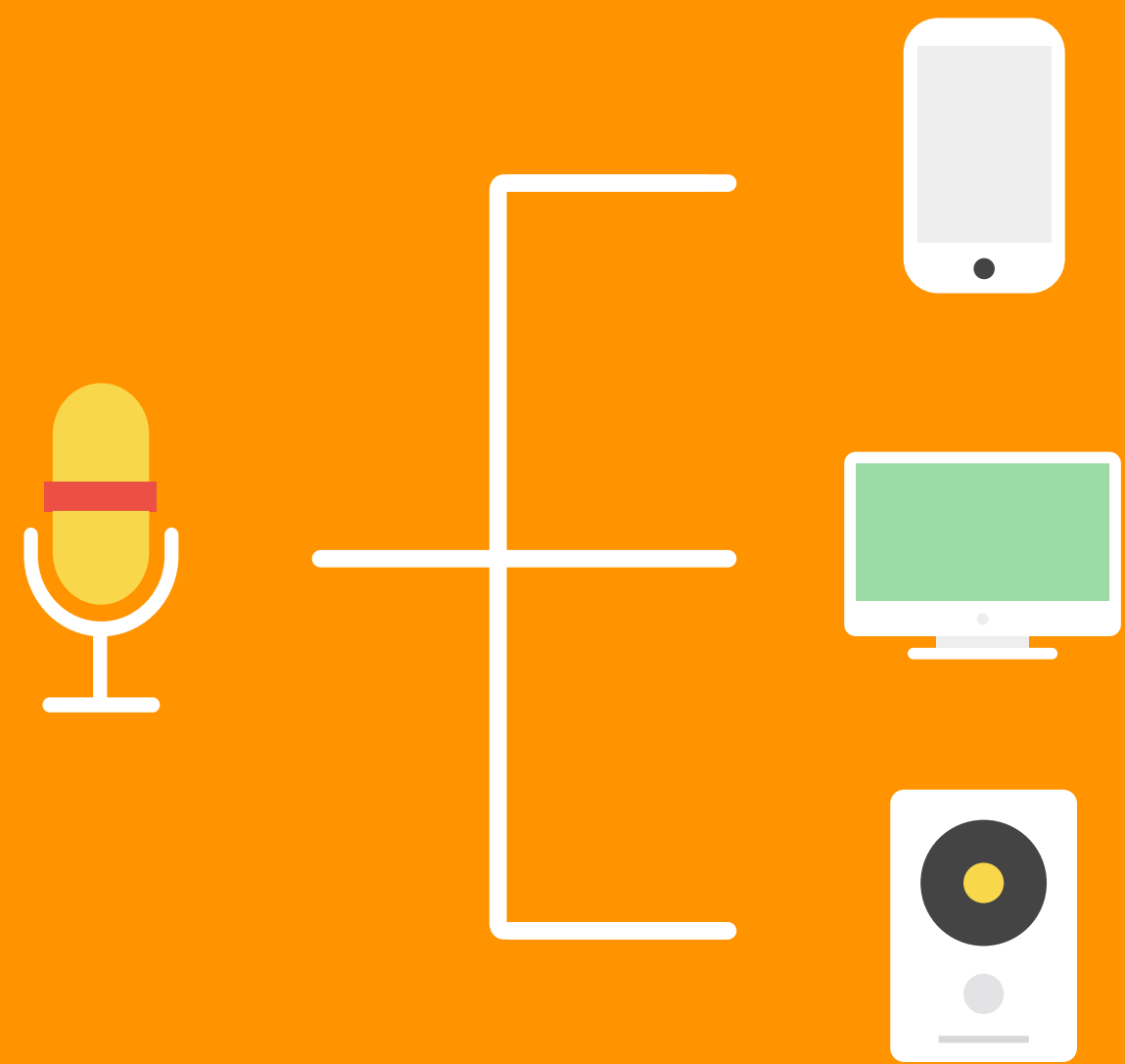
Rokid Developer Community

Rokid 开发者社区

Rokid Skills Kit

若琪技能开发工具



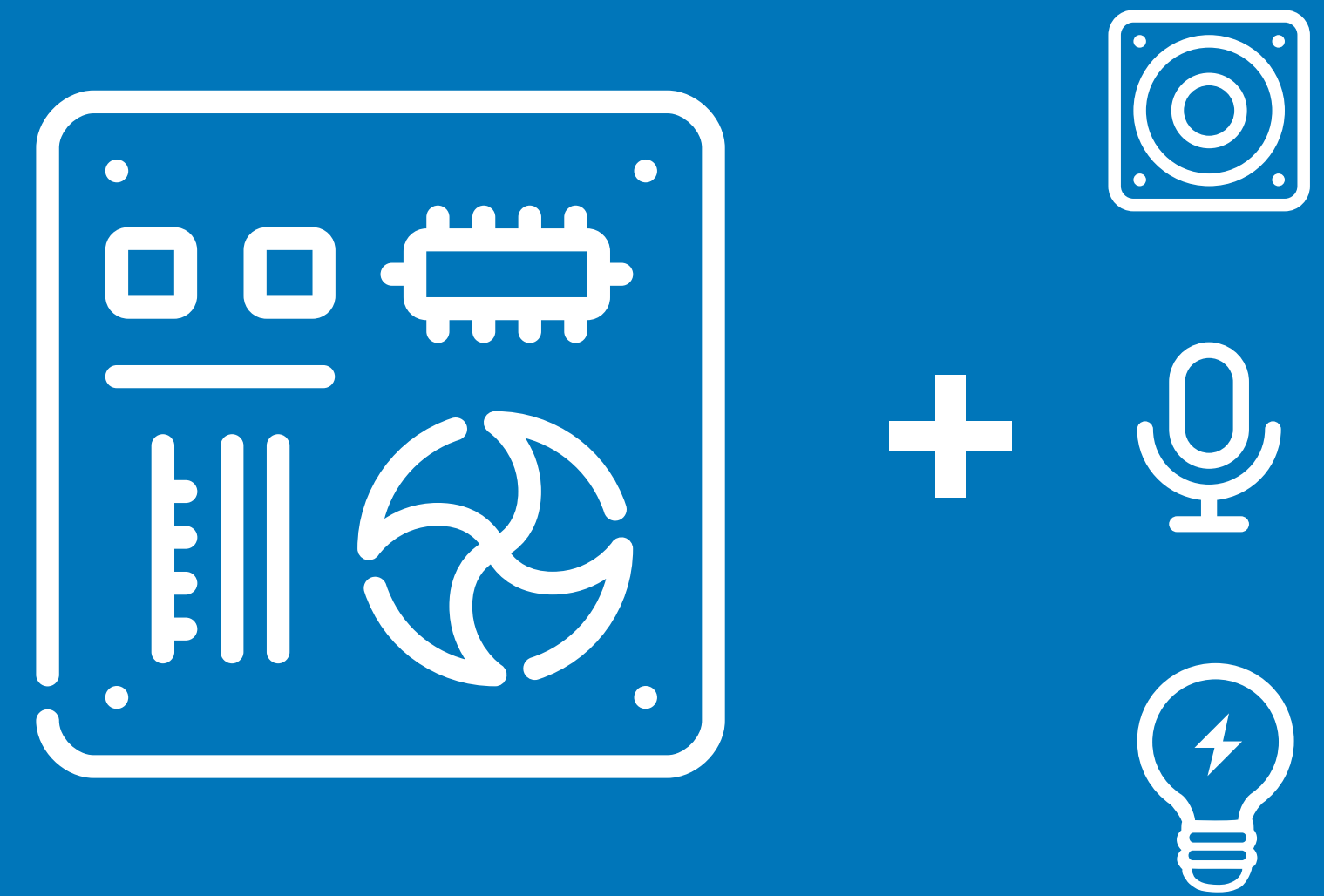


Enable Rokid Voice

若琪语音接入工具

Dev-Kit

Rokid开源硬件开发套件



大家能做到什么呢？

每个人都是创造家

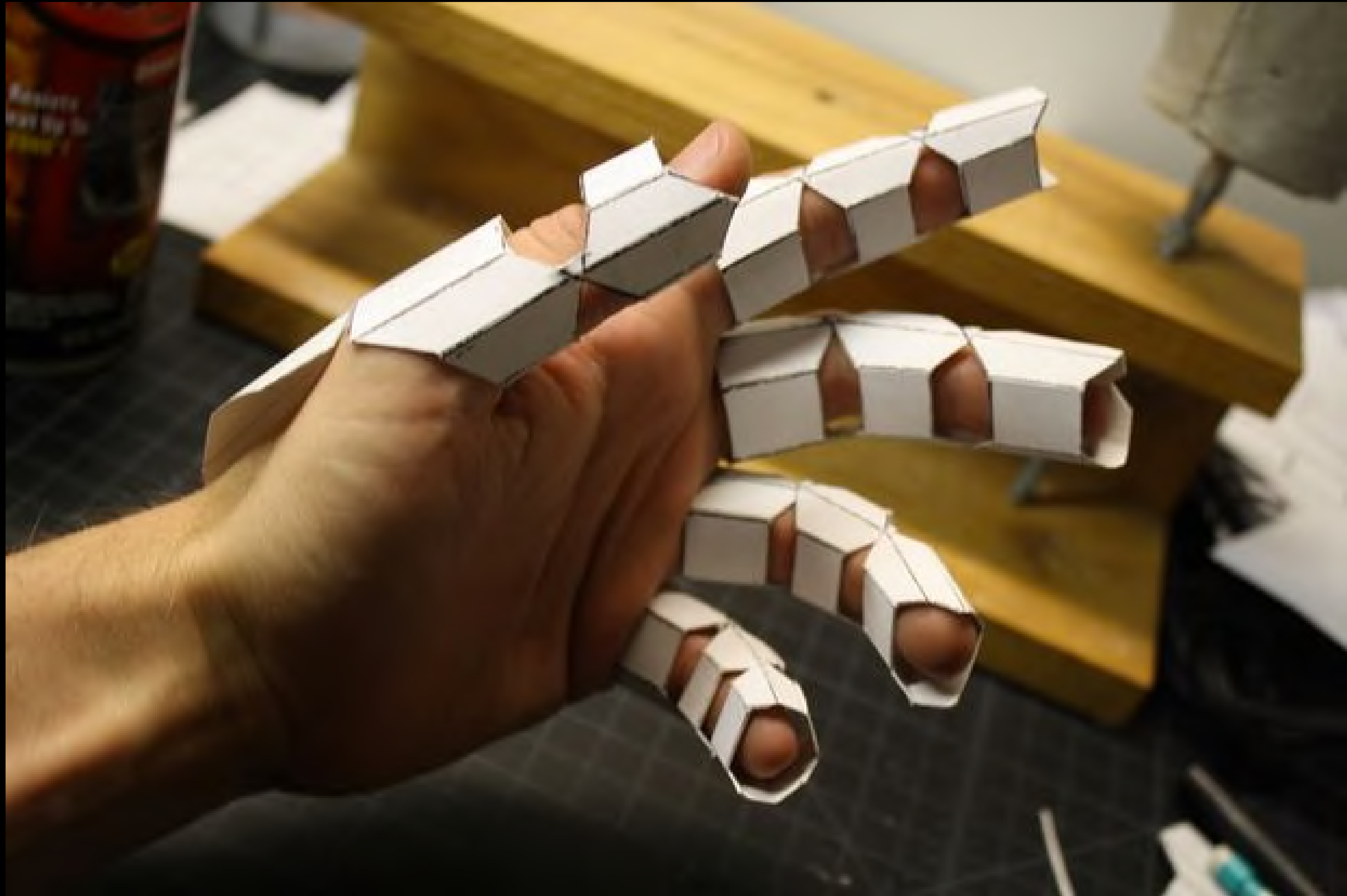
今天的所有创意都有机会做成Skill在Rokid开发者社区中实现

「创意来自 IxDC 2017 Beijing」



ironPhone — custom made sketch preview tool

Crafted by chipsa.ru







Thanks!