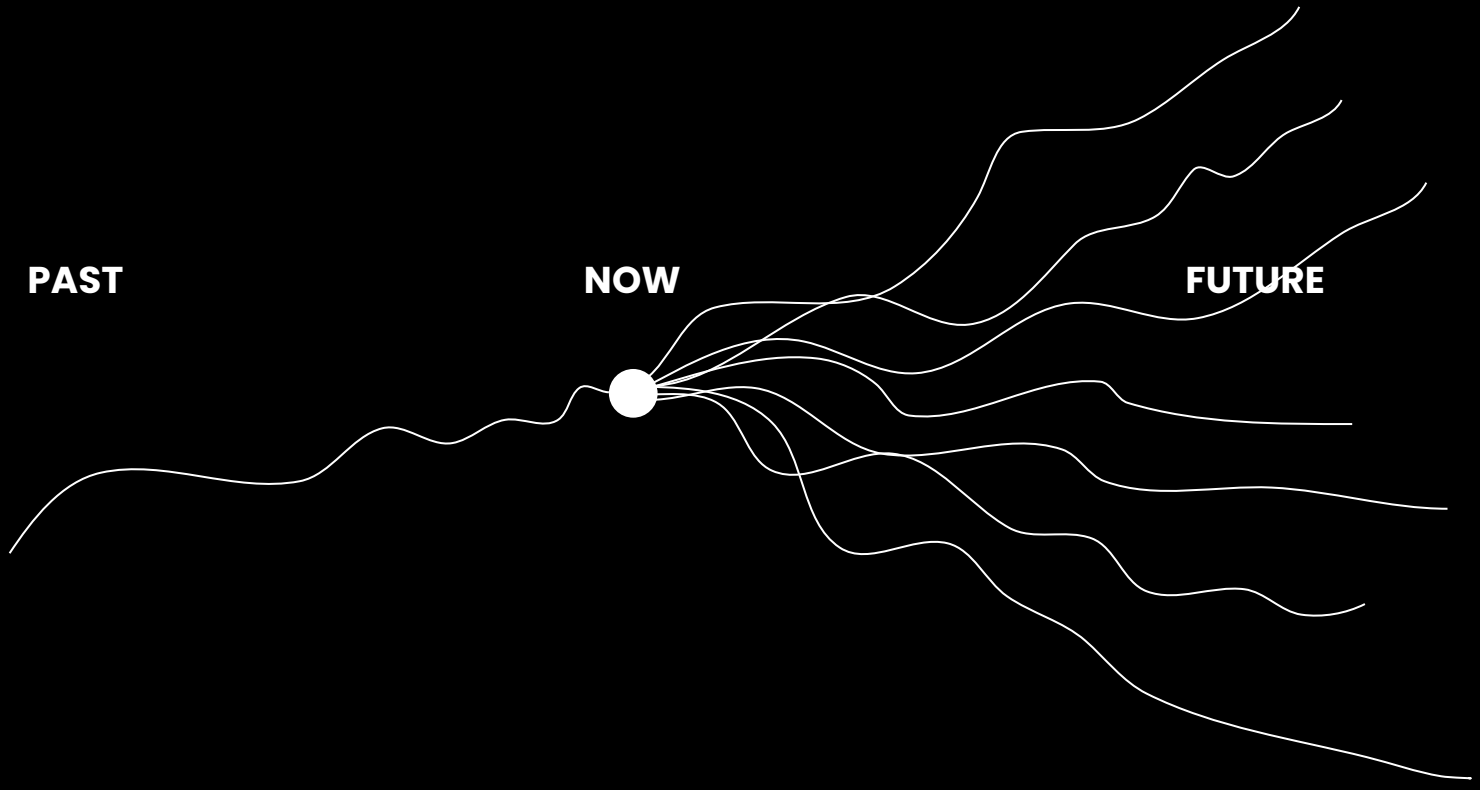


# GEN AI TRENDS 2025



**toy datarockie**



**PAST**

**NOW**

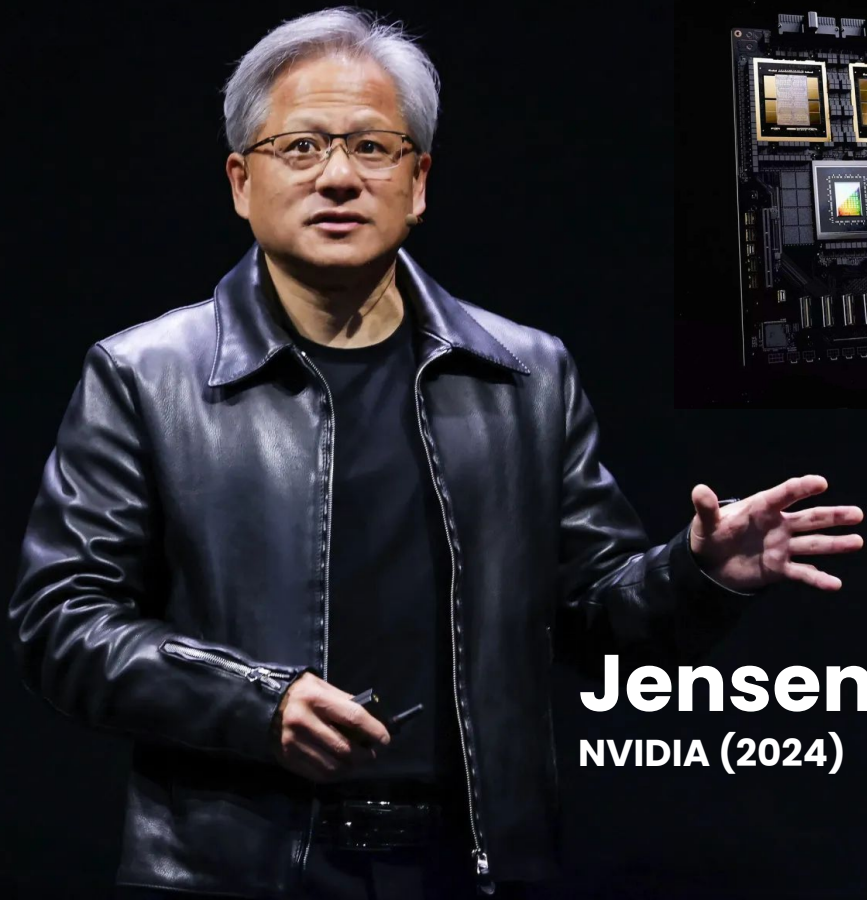
**FUTURE**

**THE FUTURE**

**AI will get better,  
smarter, more  
efficient every day**



**toy datarockie**



# Jensen Huang

NVIDIA (2024)



AI SUPERCHIP  
208 Transistors



2<sup>nd</sup> GEN TRANSFORMER ENGINE  
FP4/FP6 Tensor Core



5<sup>th</sup> GENERATION NVLINK  
Scales to 576 GPUs



RAS ENGINE  
100% In-System Self-Test



SECURE AI  
Full Performance  
Encryption & TEE



DECOMPRESSION ENGINE  
800 GB/sec



# NVIDIA

# Blackwell

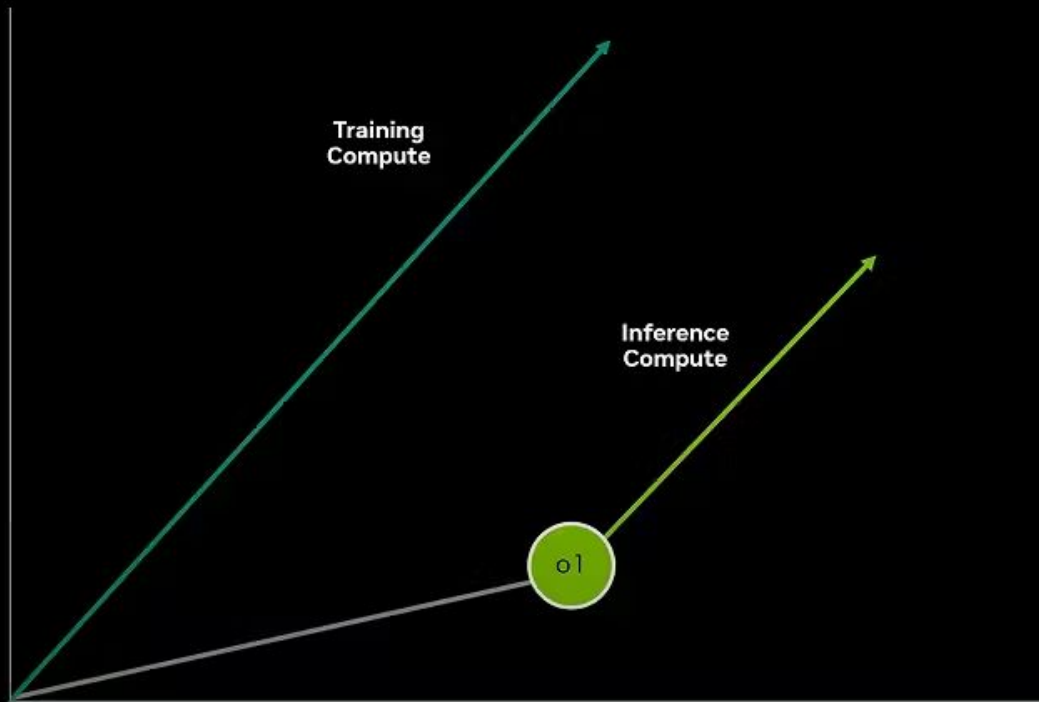
One incredibly large GPU.



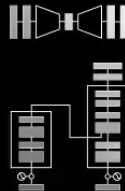
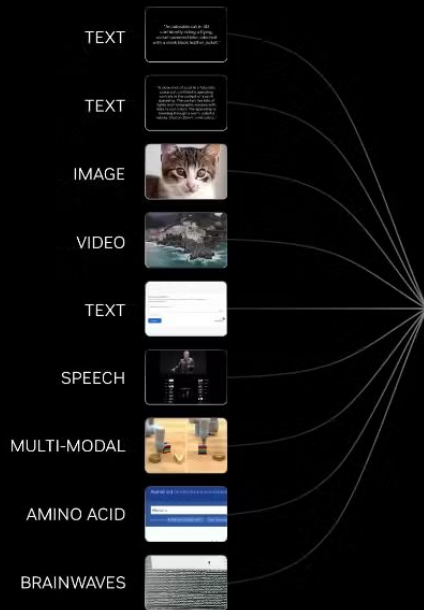
22:21 / 1:26:50



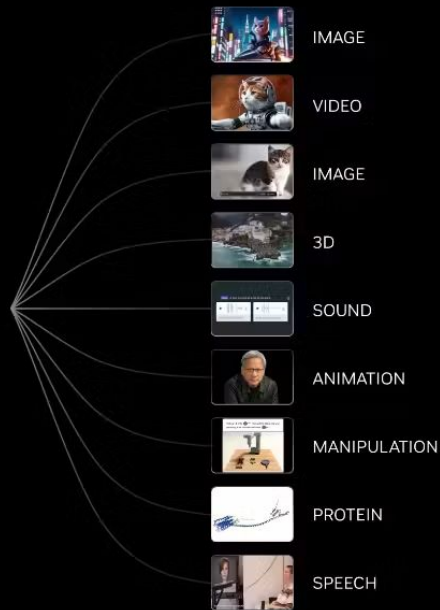
# AI Scaling Law



# UNDERSTAND DATA



# GENERATE INTELLIGENCE



- 1. Digital Workers**
- 2. Physical Robots**





# AGENTIC AI WITH NVIDIA AI ENTERPRISE



Supply Chain Agent



Healthcare Agent



Service Agent



Software Engineer Agent



Data Engineer Agent



Marketing Agent



Sales Agent



Research Scientist Agent



NVIDIA NIM



NVIDIA NEMO  
AI Agent Lifecycle Libraries

Sometimes the digital AI workers



25:46 / 1:26:50



English  
Click ⚙️ for settings

# Digital Human

is a significant step forward  
in accurately predicting weather patterns



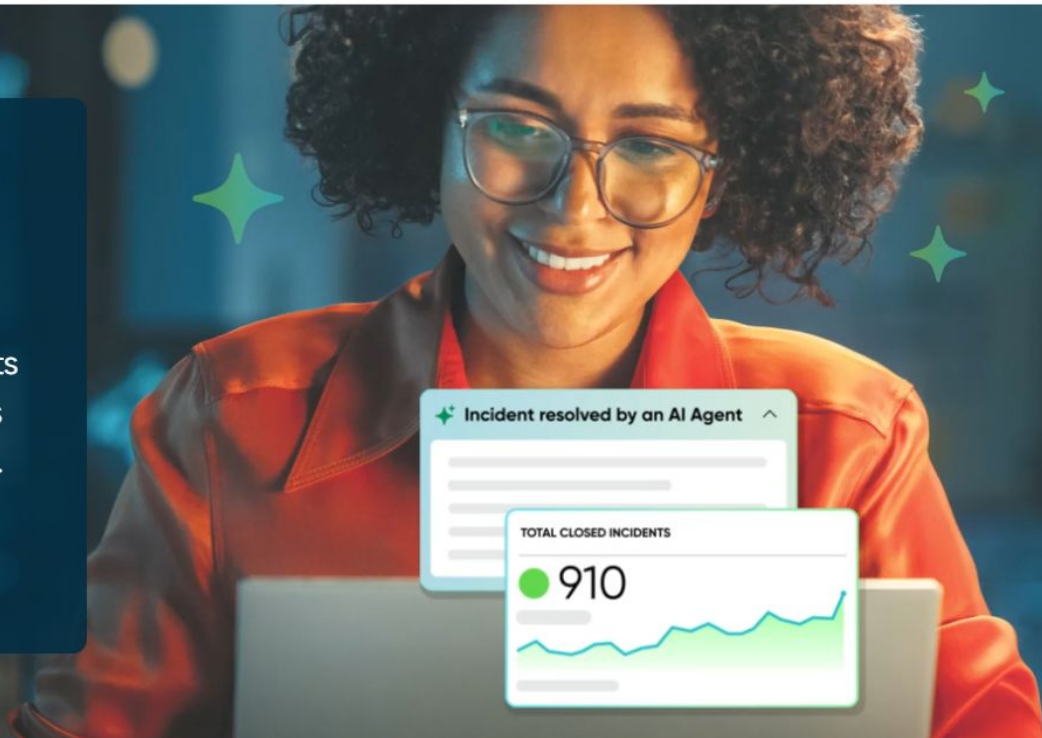
# Omniverse

Omniverse Digital Twin

NVIDIA Omniverse is a physics-based operating system for physical AI simulation.

# PUT AI AGENTS TO WORK FOR PEOPLE

The next big leap in AI is here. ServiceNow AI Agents can learn, reason, take action, and make decisions autonomously. And the best part? You're in control.

[Explore AI Agents](#)[See Demo →](#)

# The Era

Past | Present | Future



# Herculaneum Scrolls

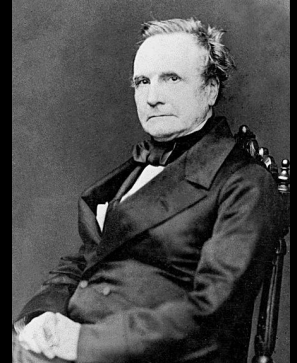
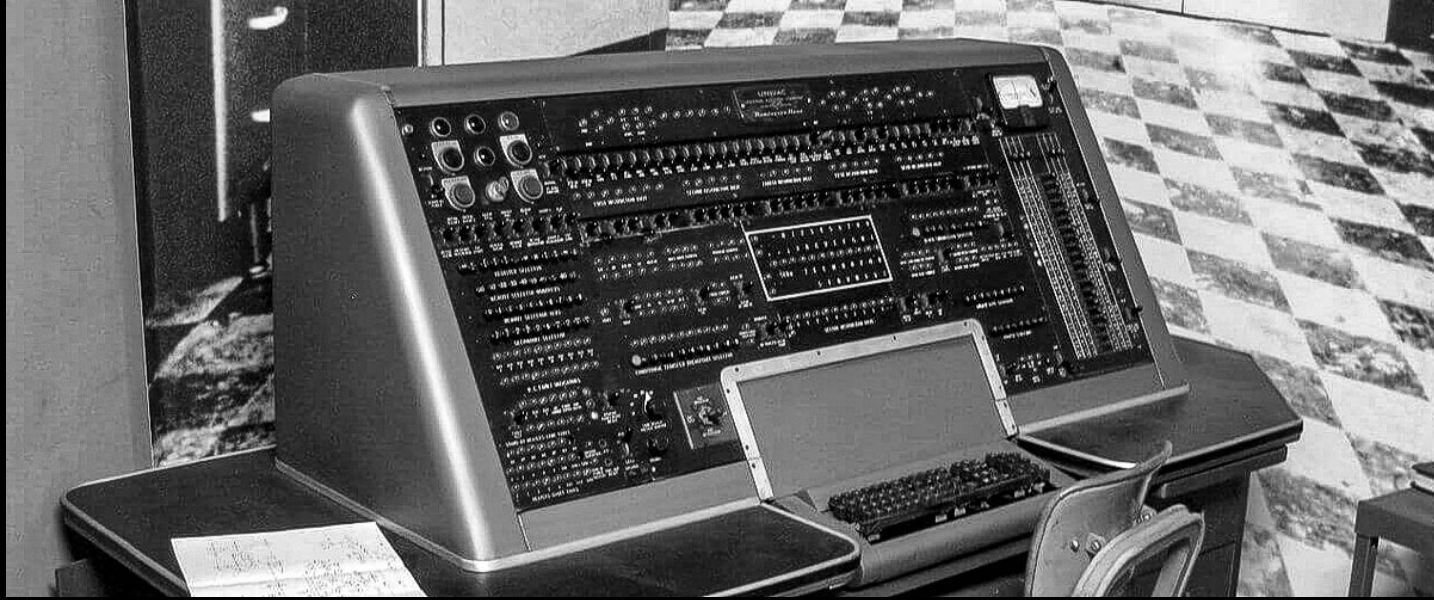
2000 years ago



# Printing Press



**Johannes Gutenberg (1440)**



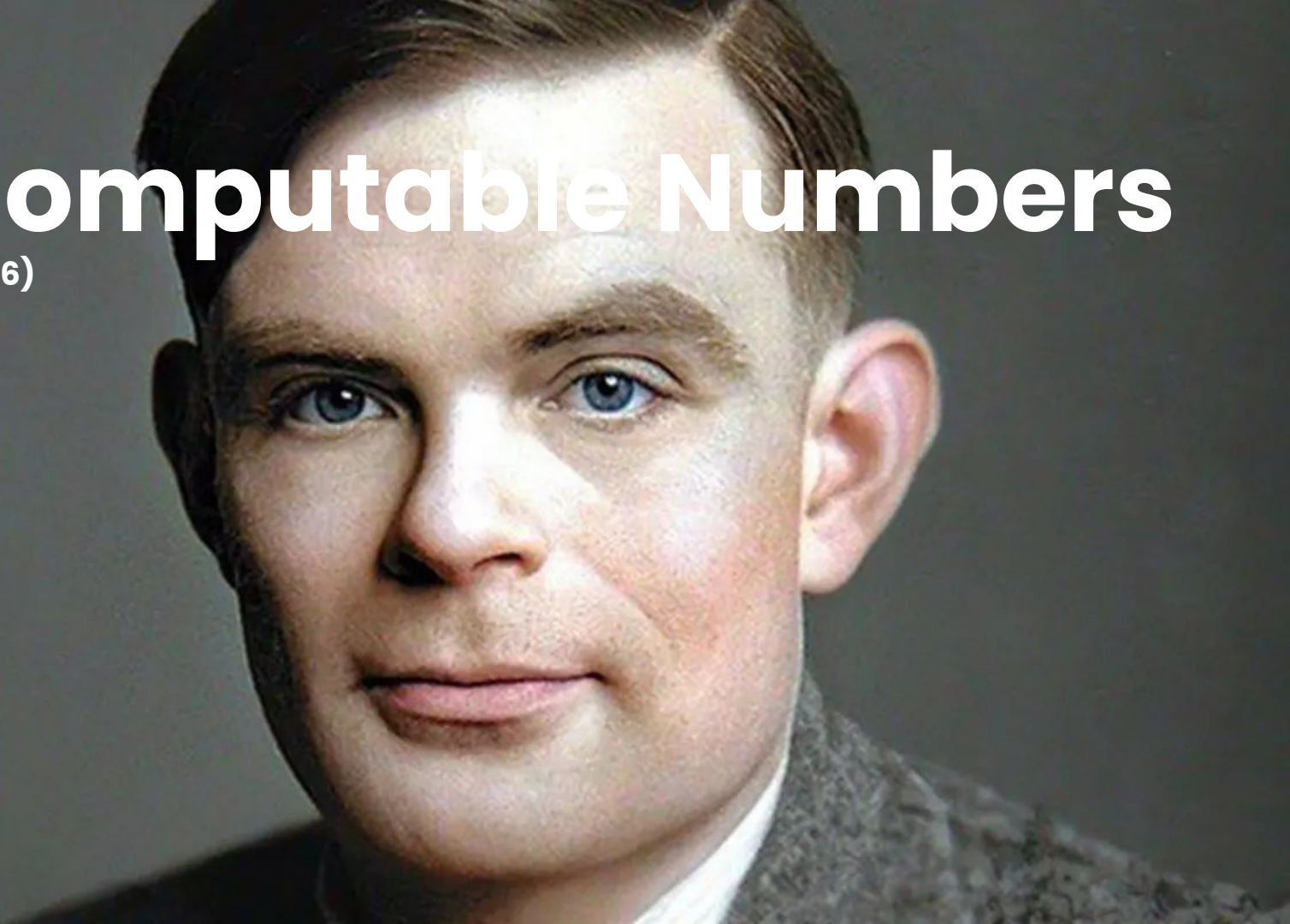
# Analytical Engine

Charles Babbage (1822)

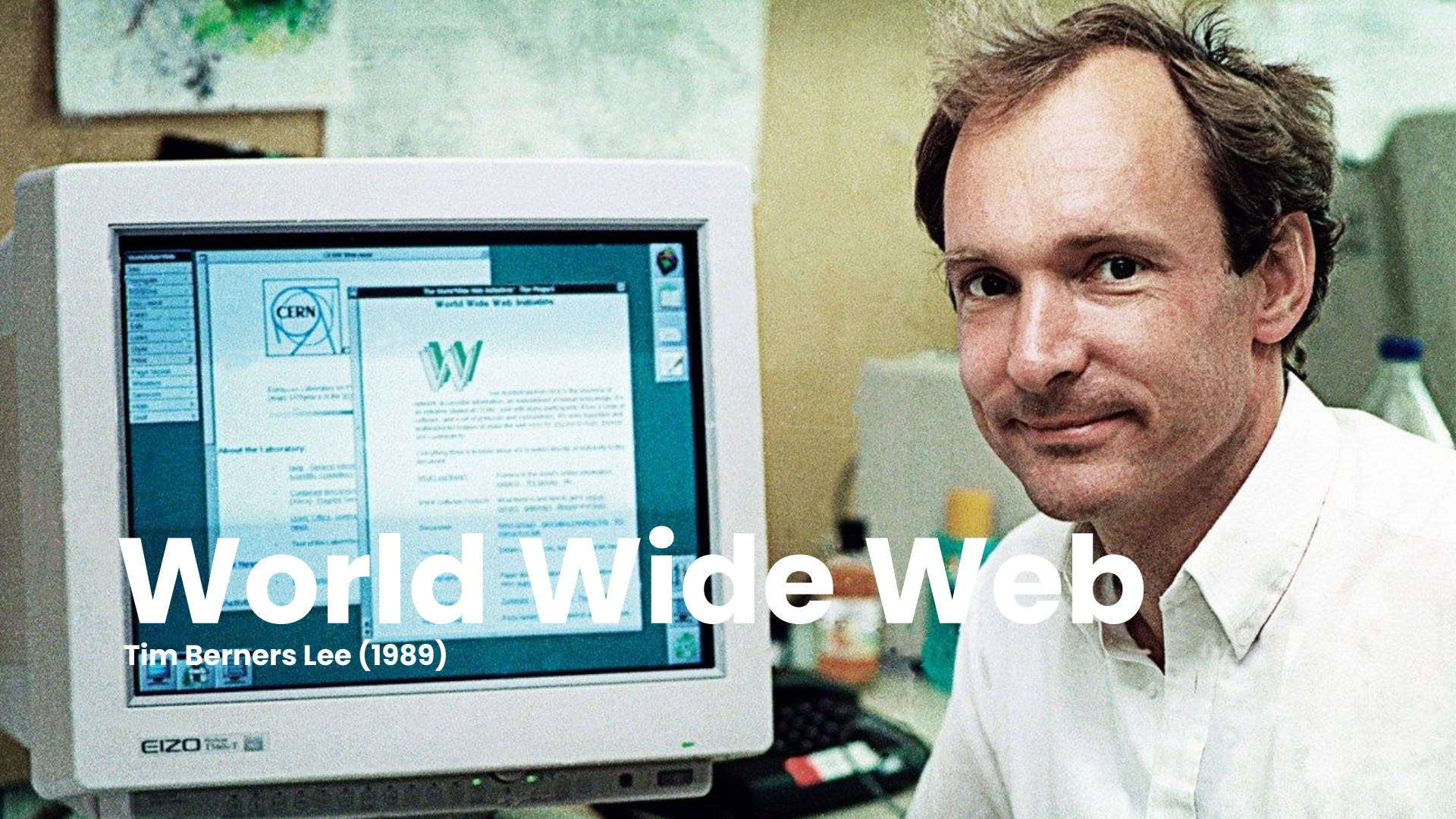


# On Computable Numbers

Alan Turing (1936)







# World Wide Web

Tim Berners Lee (1989)



# SPC

First Digital Smartphone - IBM (1992)



# Google

A photograph of Larry Page and Sergey Brin in their early Google office. Larry Page is seated at a desk on the left, wearing a plaid shirt, with a computer monitor displaying a web page. Sergey Brin is standing on the right, wearing a blue striped shirt. The office is cluttered with various items, including boxes of Sony Super Cassette tapes and other electronic equipment.

Larry Page & Sergey Brin (1998)

# GPU

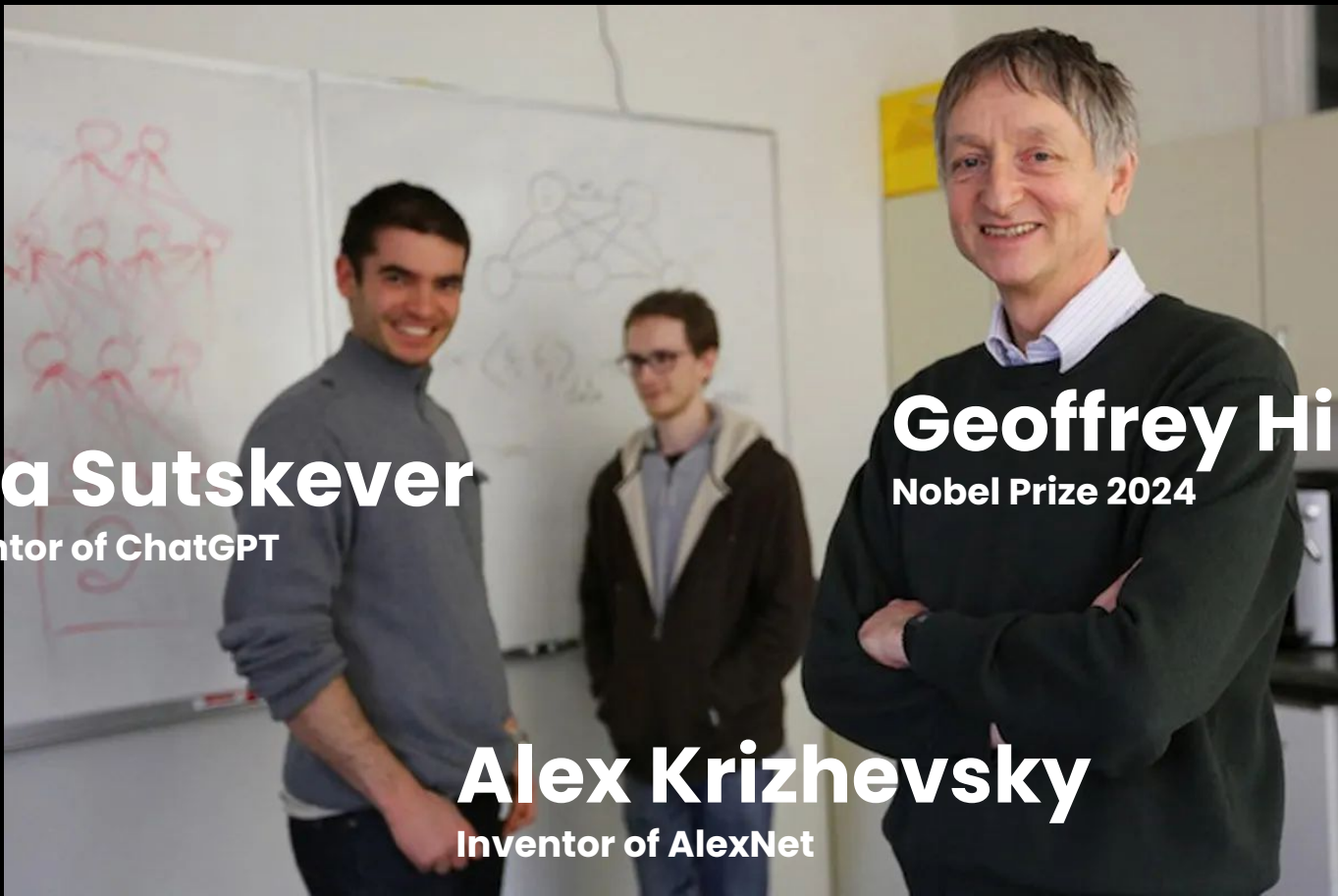
Geoffrey Hinton (2007)



**Then 2012 ..**

**Computer can see  
just like human**

**AlexNet (2012)**



**Ilya Sutskever**

Inventor of ChatGPT

**Geoffrey Hinton**

Nobel Prize 2024

**Alex Krizhevsky**

Inventor of AlexNet



# Intelligence starts with seeing



**Fei Fei Li**

**2012 is the same  
year that this article  
got published**

# Data Scientist: The Sexiest Job of the 21st Century

Meet the people who can coax treasure out of messy, unstructured data. by Thomas H. Davenport and DJ Patil

From the Magazine (October 2012)



# Change in Perspective

**Statistician**

**Small Data**

**Structured**

**Before**

**2012**

**Data Scientist**

**Big Data**

**Unstructured**

**After**

# **Spreadsheets to Programming**

# Harvard CS50R

to Programming with R, a popular language for statistical computing

0:24 / 1:41



## CS50R - Introduction



CS50  
1.99M subscribers

Subscribed

667

Share

Download

Save



A portrait of Satya Nadella, CEO of Microsoft, sitting and smiling. He is wearing a dark blue pinstriped suit jacket over a dark blue shirt and glasses. His hands are clasped in front of him.

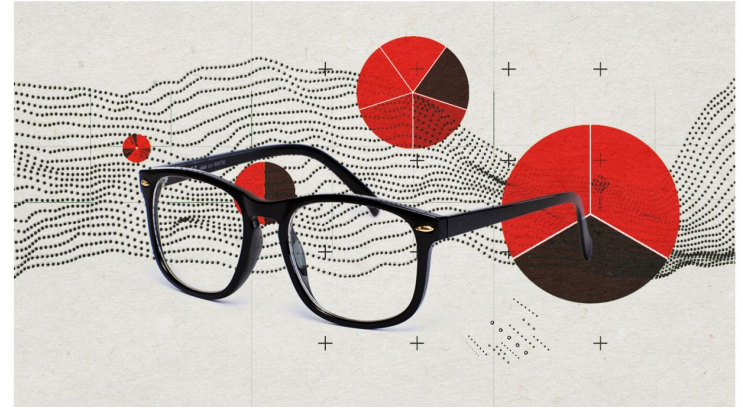
**Satya Nadella**  
Microsoft

Analytics And Data Science

## Is Data Scientist Still the Sexiest Job of the 21st Century?

by Thomas H. Davenport and DJ Patil

July 15, 2022



HBR Staff/StudioM1/Moritz Otto/Getty Images



# DATA LOST ITS ALLURE

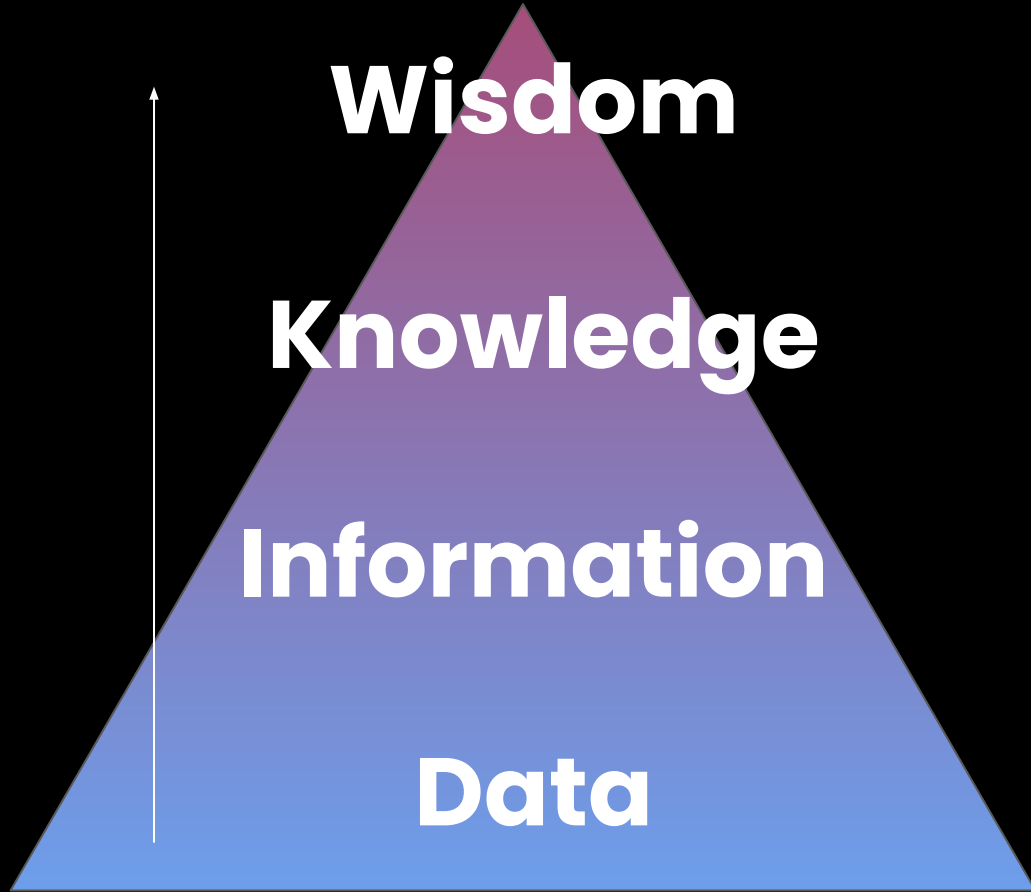


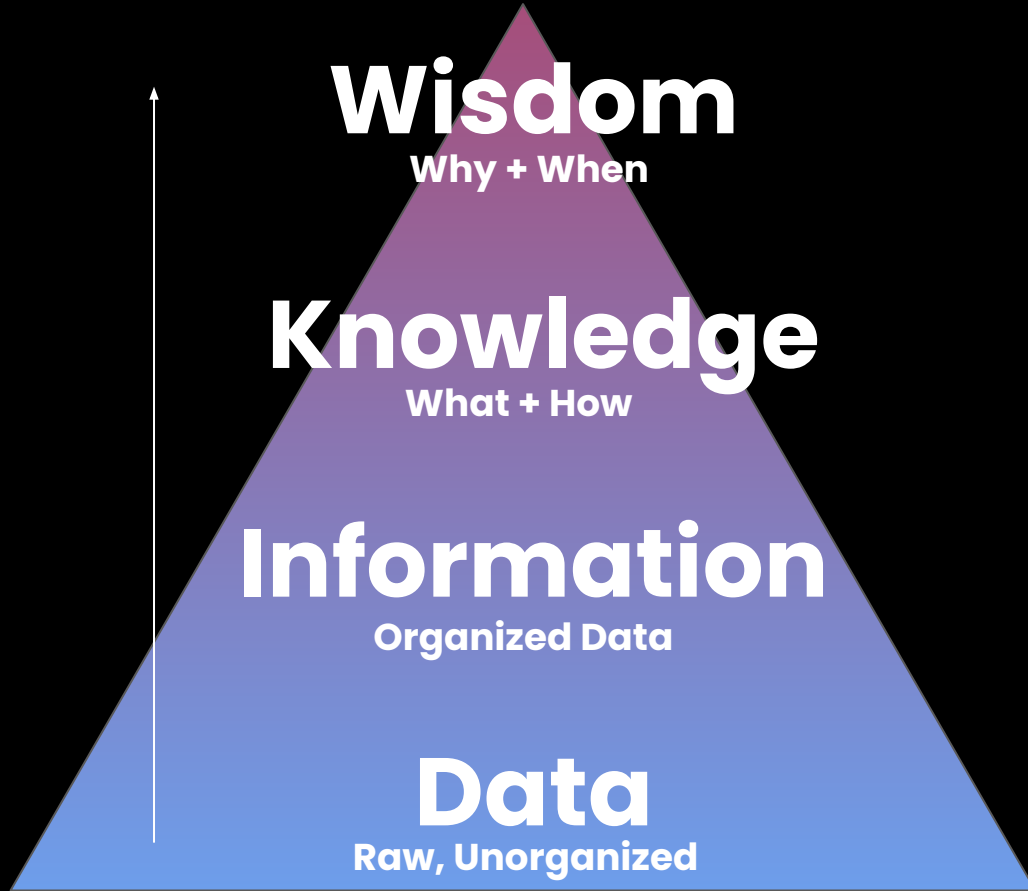
**toy datarockie**

**NOT SEXY  
BUT MUNDANE**



**toy datarockie**





**Data**

**AI**

**Now we know why we need data. It serves higher purpose.**

If data is not *sexy*, then

**What's Hot?**

# AI IS THE NEW SEXY



**toy datarockie**



# It's the new electricity

Andrew Ng



**Statistician**

**Small Data**

Structured

**2012**

**Data Scientist**

**Big Data**

Unstructured

**2022**

**NOW**

**AI**

**Data**

All Kinds of Data

Business And Society

# AI Won't Replace Humans — But Humans With AI Will Replace Humans Without AI

August 04, 2023

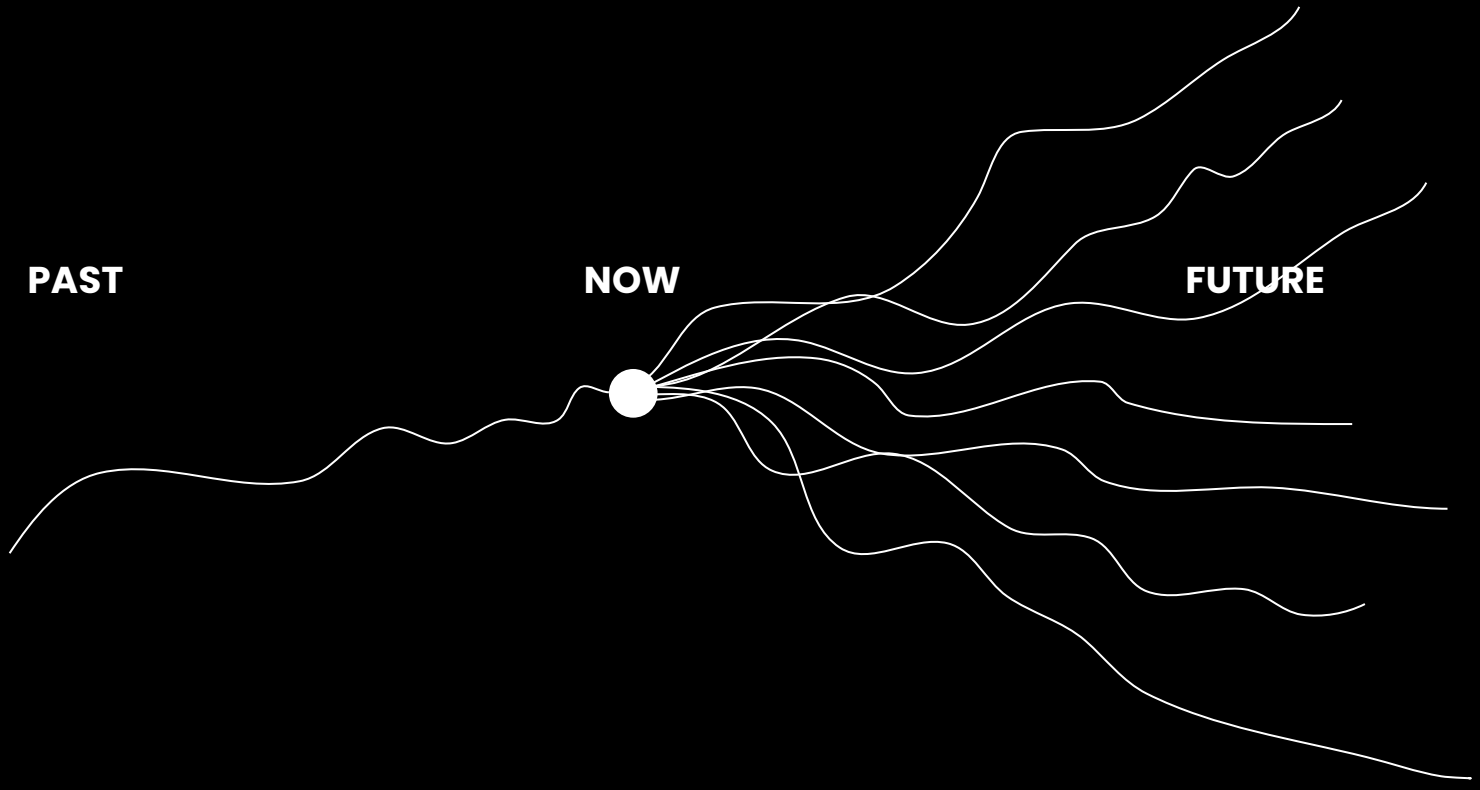
The New  
World of Work  
**Karim R. Lakhani,**  
Harvard Business  
School Professor

Harvard  
Business  
Review



# Flaw in Logic





**PAST**

**NOW**

**FUTURE**

**Living in this world  
is multifaceted**

- **Thinking**
- **Data**
- **Software (AI)**
- **Human**
- **Creativity**





**Our ultimate goal  
is to survive**

**The  
Sexiest is the  
one who survive**



**toy datarockie**

**Last Thought**

**The Fastest Way  
to Achieve AGI?**







The Question is not

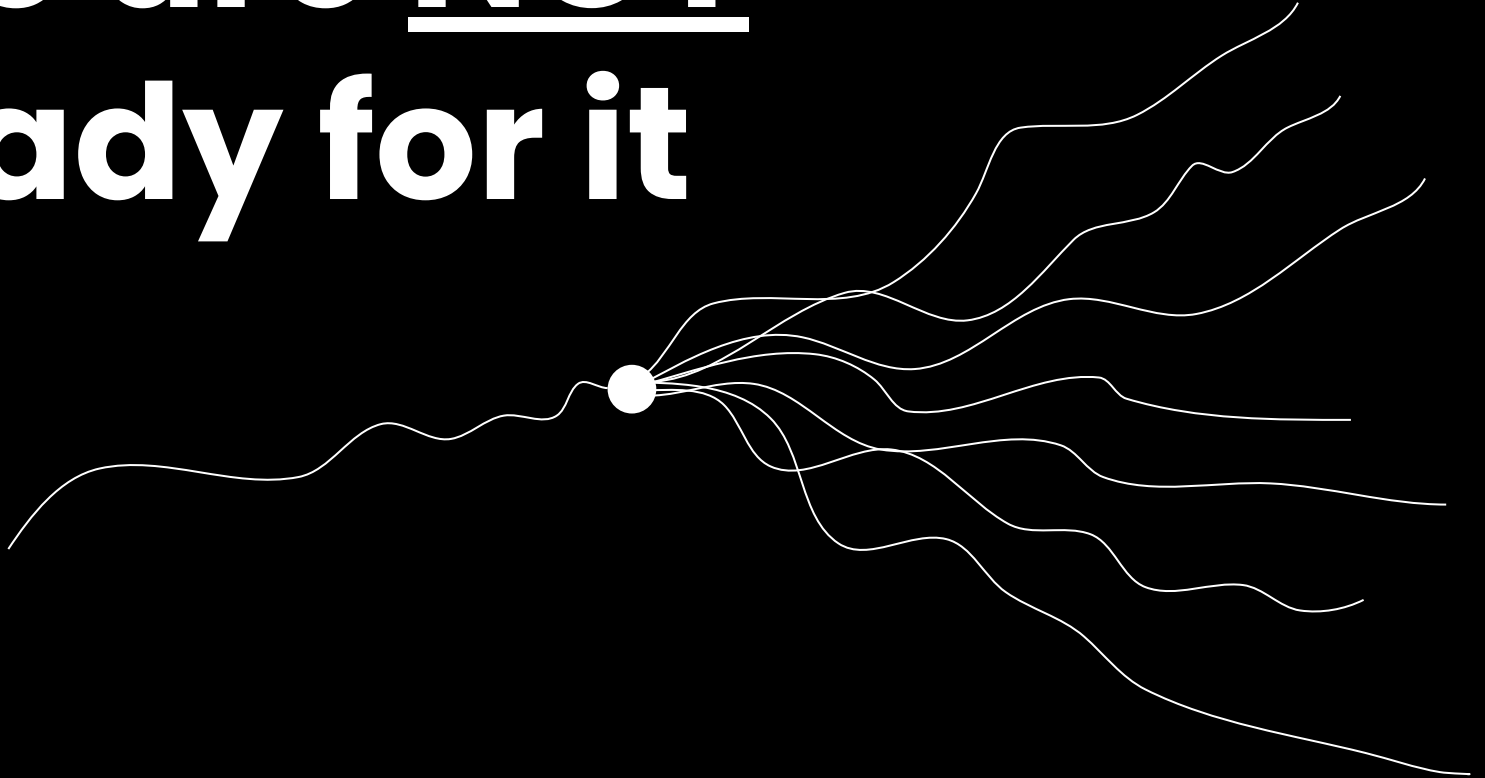
**Could We?**

**But Will We ..**





**We are NOT  
ready for it**



**The  
Sexiest is the  
one who survive**



**toy datarockie**

# How to survive the next 100 years

