

# FORMAÇÃO INTELIGÊNCIA ARTIFICIAL E MACHINE LEARNING

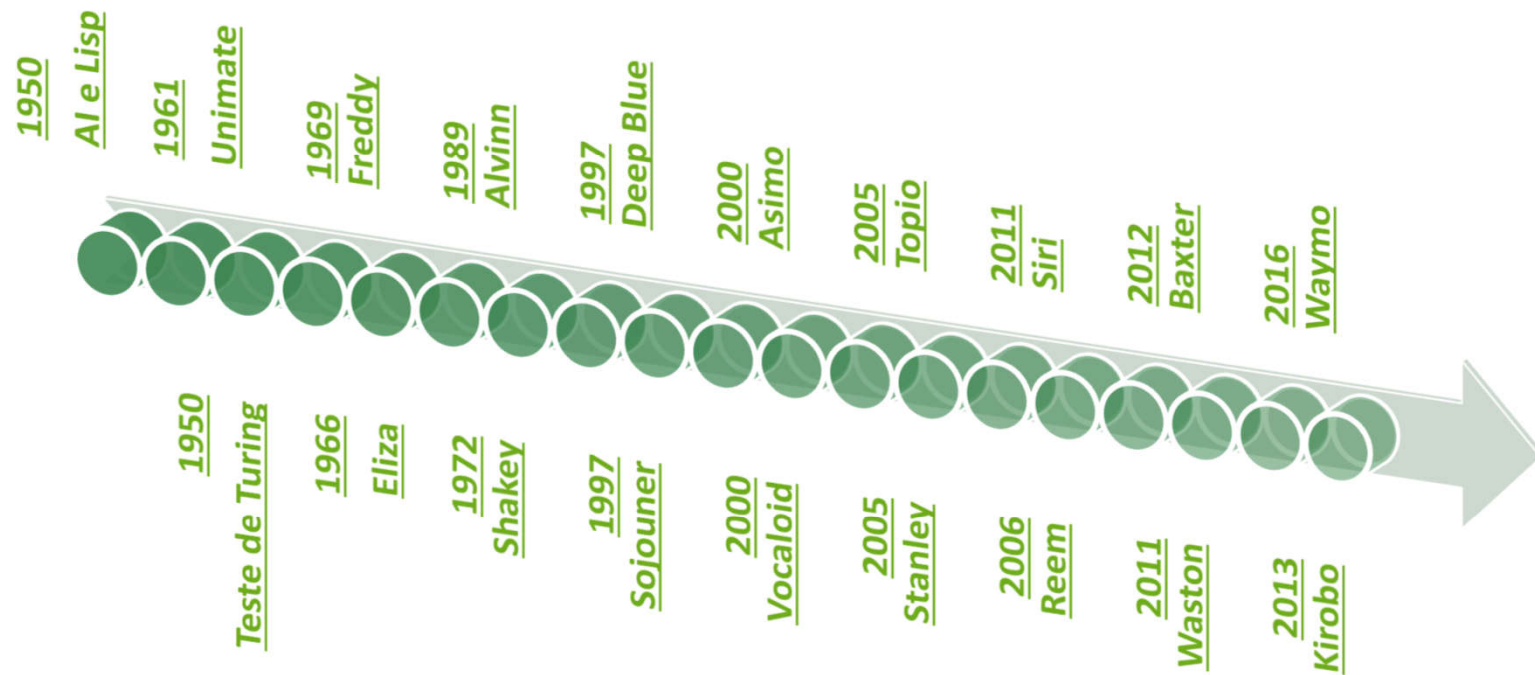
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INTRODUÇÃO

HISTÓRIA

Prof. Fernando Amaral – Todos os Direitos Reservados

# IA – LINHA DO TEMPO



# Jhon McCarthy - 1950

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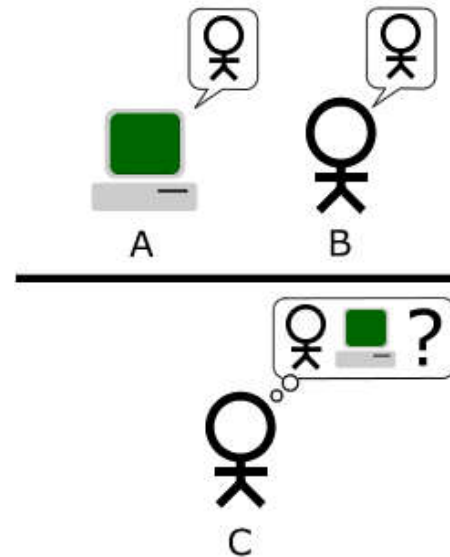
AI

LISP



# Teste de Turing - 1950

Computador ou humano?



# Unimate - 1961

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Robô industrial

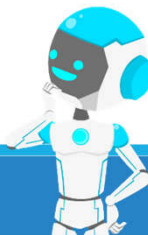


# Eliza - 1966

## Chatbot

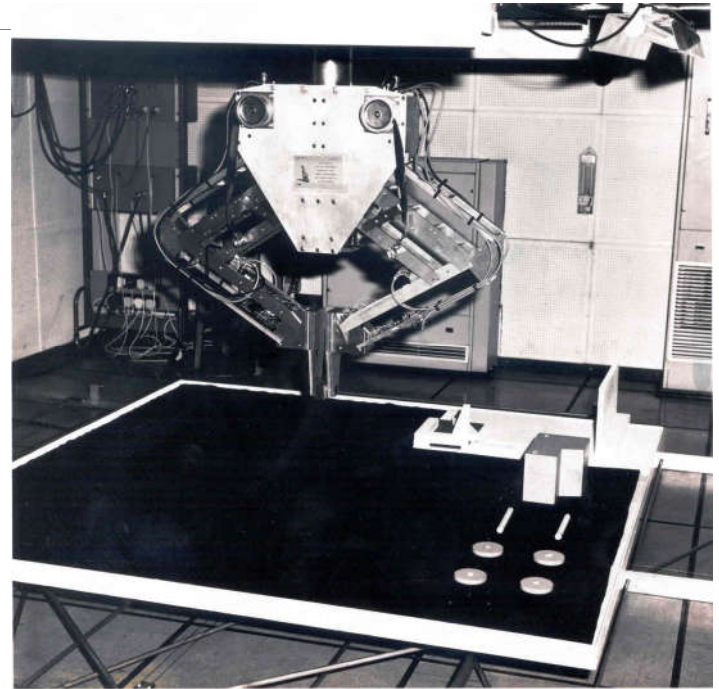
File Edit Options Buffers Tools Help

I am the psychotherapist. Please, describe your problems.  
Each time you are finished talking, type RET twice.  
I have a terrible headache.  
Maybe you should consult a doctor of medicine, I am a psychiatrist.  
Okay, I'll do that then.  
Can you elaborate on that?  
What are you talking about? No I cannot elaborate. See you later.  
Why do you say that?  
Now you're just talking nonsense!  
What makes you believe now I am just talking nonsense?  
You are not making any sense.  
Perhaps your plans have something to do with this.  
-u:\*\* \*doctor\* (Doctor Fill)--L1--Top-----



# Freddy - 1969

Robô programável



# Shakey – 1972

Considerado o primeiro robô controlado por IA





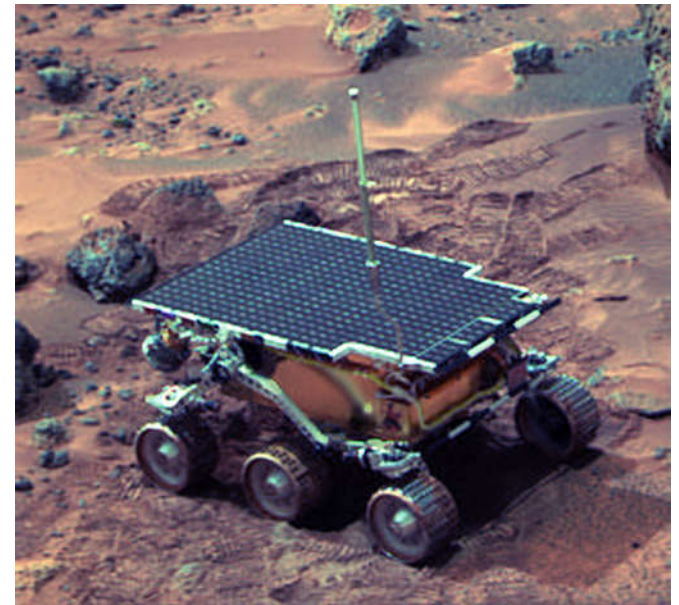
# ALVINN - 1989

“pai” dos veículos autônomos



# Sojourner - 1997

Primeiro rover



# Deep Blue - 1997

Especializado em xadrez



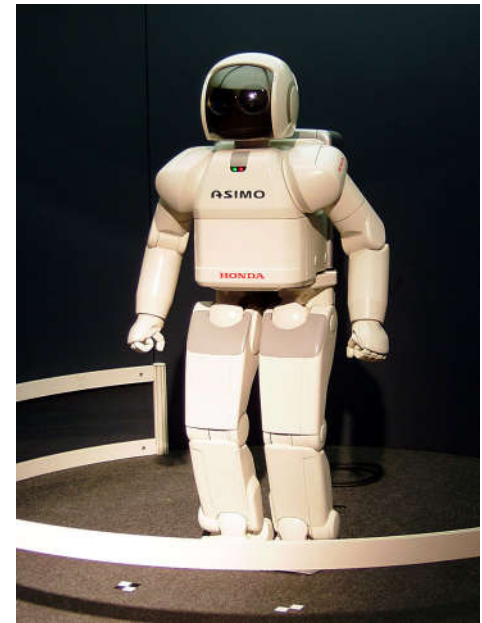
# Vocaloid - 2000

Cria musica



# Asimo - 2000

Humanoide mais avançado



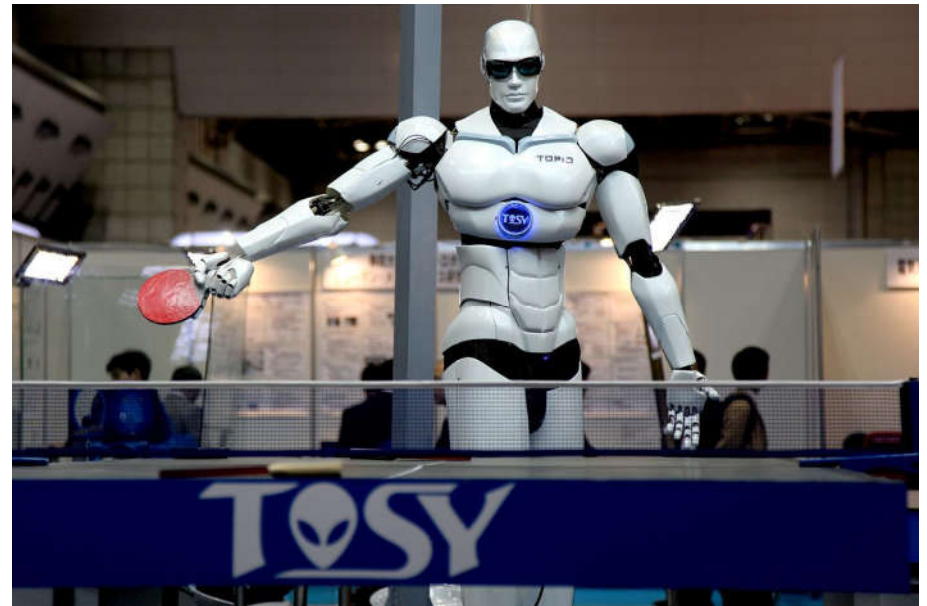
# Stanley - 2005

Veículo autônomo



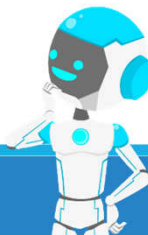
# Topio - 2005

Ping pong



# REEM - 2006

Robô humanoide





# Siri - 2011

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Assistente virtual

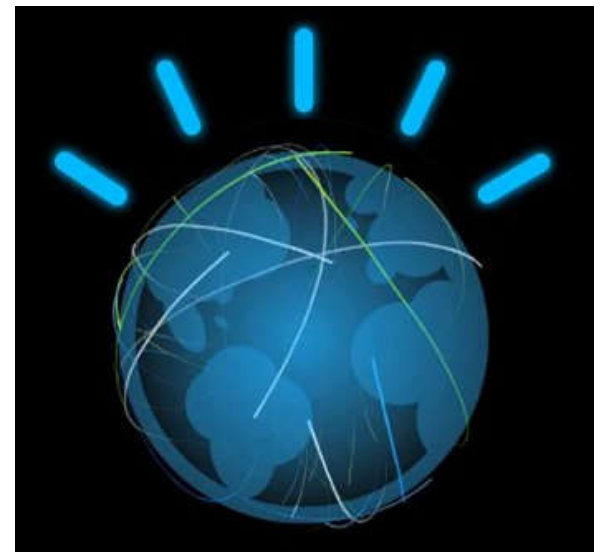


# Watson - 2011

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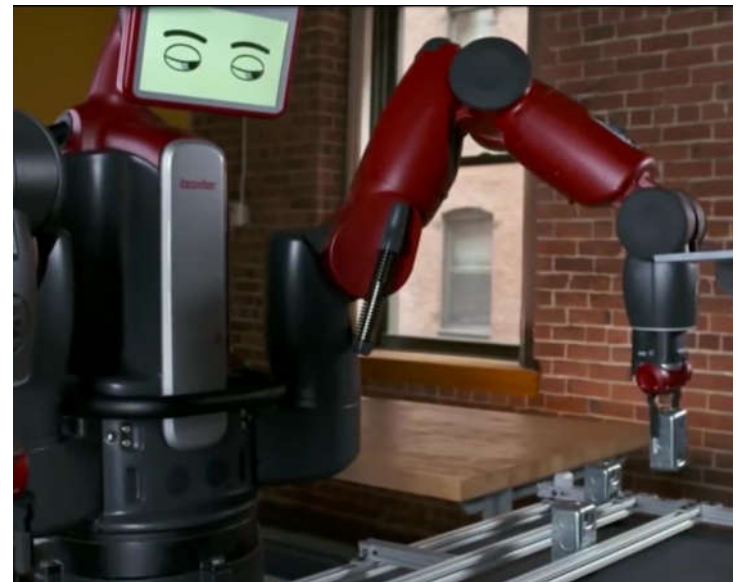
Supercomputador de ia

Its largest airport, is named for a World War II hero; its second largest, for a World War II battle” in the category of U.S. Cities



# Baxter - 2012

Robô industrial



# Kirobo - 2013

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Robô astronauta



# Waymo - 2016

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Veículo autônomo



# Atualmente – Próximos Anos

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- Redes Neurais Profundas: maiores avanços na IA
- Promessa de carros autônomos no mercado para 2020 e 2021 (Nível 4)
- Presença intensa na vida empresarial e das empresas:
  - Quem devem ser seus amigos
  - Quem devem ser seus relacionamentos afetivos
  - O caminho que você deve seguir
  - Aonde você deve ir (Procura combustível ou restaurante)
  - O que você deve assistir
  - Que música você deve ouvir
  - O que você vai comprar
  - Qual será seu próximo emprego

