



**CONNECTED
AVIATION SUMMIT® 2023**

Digital Transformation, AI & Innovation

September 6-8, 2023 | Hilton City Center | Denver, CO

Unleashing the Potential:
Exploring the Impact of AI/ML
Technologies in the Aviation
Industry

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Seth Babcock
Associate Director, Tech
Ops Solutions & Data
Analytics
Collins Aerospace



Dan Chambers
Applications Architect
UPS



Allan Twigg
Director, Flight
Operations
United Airlines



Jon Merritt
Associate Director, Flight
Deck & Electronic Flight
Bag Applications
Collins Aerospace

Moderator

Inside Google's Plans To Fix Healthcare With Generative AI

We are talking about it because people can't stop talking about it

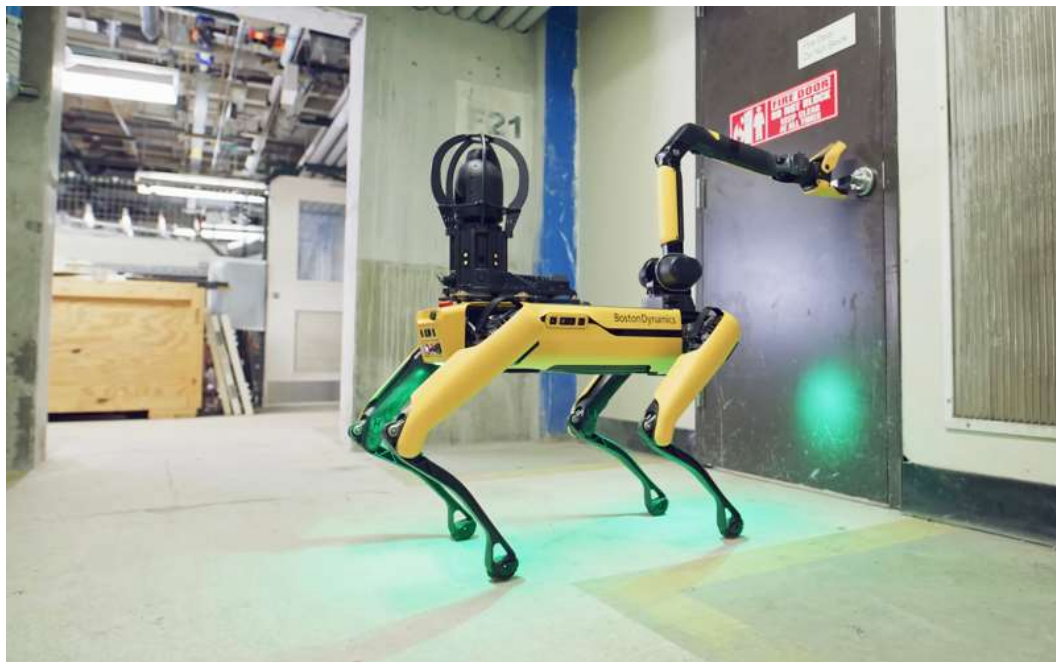
The A.I. Revolution Is Coming. But Not as Fast as Some People Think.

From steam power to the internet, there has always been a lag between technology invention and adoption across industries and the economy.

AUTOS

GM, Google exploring ways to use AI across automaker's business

When I hear Artificial Intelligence and machine learning – this is what I Picture ...



Watch a Human Try to Fight Off That Door-Opening Robot Dog

A human with a hockey stick does everything in his power to stop a robot from opening a door.

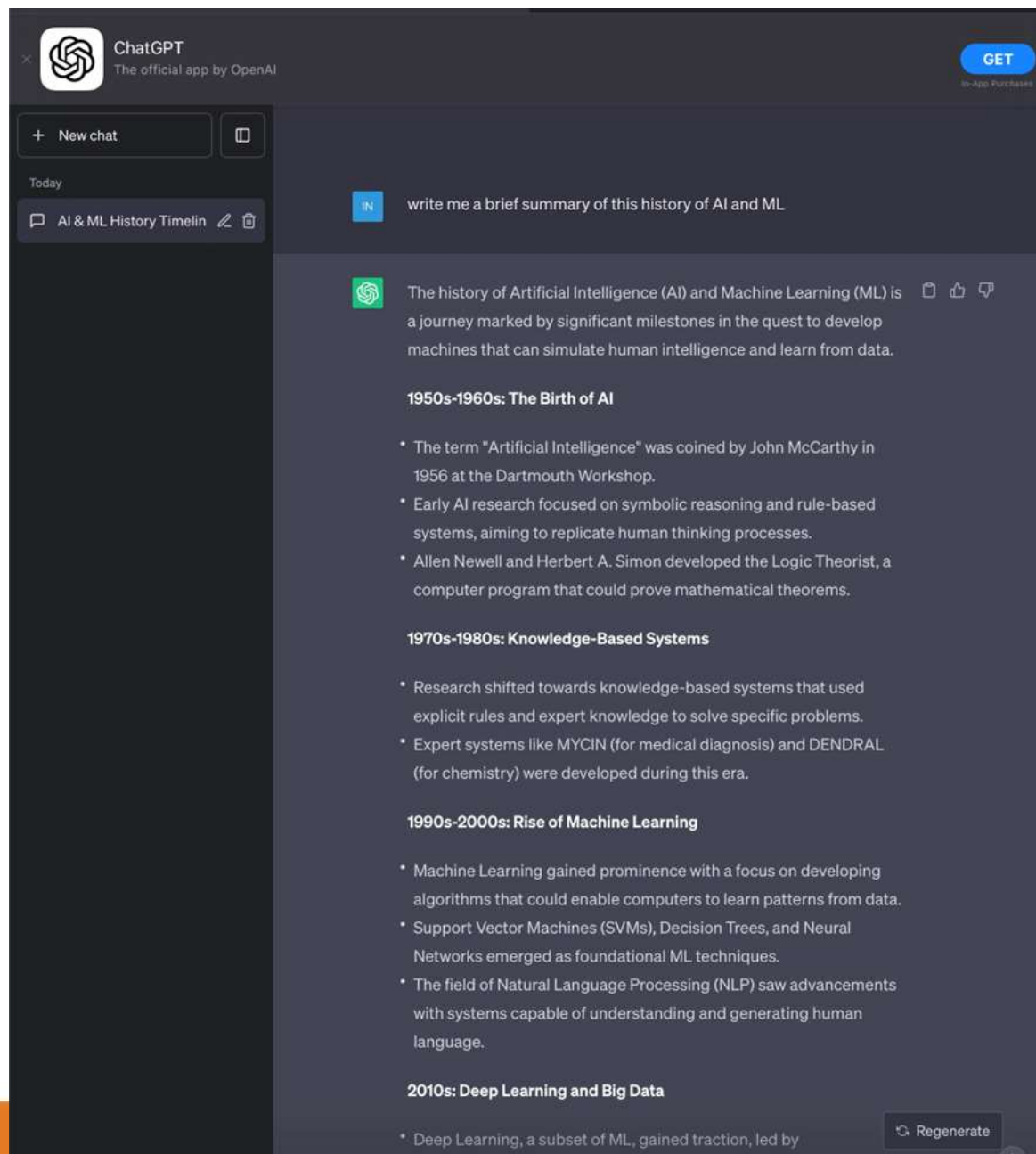
Mercedes-Benz Stadium employs a high-tech four-legged friend

Robotic dog conducts late-night security checks and patrols stadium



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The screenshot displays the ChatGPT mobile application interface. At the top, the ChatGPT logo and name are visible, along with the text "The official app by OpenAI" and a "GET" button. Below the header, there is a "New chat" button and a list of recent chats, including "AI & ML History Timelin". The main chat area shows a user prompt: "write me a brief summary of this history of AI and ML". The AI response provides a structured overview of the history of AI and ML, starting with a general introduction and then detailing three key periods: the 1950s-1960s (The Birth of AI), the 1970s-1980s (Knowledge-Based Systems), and the 1990s-2000s (Rise of Machine Learning). The response is formatted with bold section headers and bullet points. A "Regenerate" button is visible at the bottom right of the chat area.

ChatGPT
The official app by OpenAI

GET
In-App Purchases

+ New chat

Today

AI & ML History Timelin

write me a brief summary of this history of AI and ML

The history of Artificial Intelligence (AI) and Machine Learning (ML) is a journey marked by significant milestones in the quest to develop machines that can simulate human intelligence and learn from data.

1950s-1960s: The Birth of AI

- The term "Artificial Intelligence" was coined by John McCarthy in 1956 at the Dartmouth Workshop.
- Early AI research focused on symbolic reasoning and rule-based systems, aiming to replicate human thinking processes.
- Allen Newell and Herbert A. Simon developed the Logic Theorist, a computer program that could prove mathematical theorems.

1970s-1980s: Knowledge-Based Systems

- Research shifted towards knowledge-based systems that used explicit rules and expert knowledge to solve specific problems.
- Expert systems like MYCIN (for medical diagnosis) and DENDRAL (for chemistry) were developed during this era.

1990s-2000s: Rise of Machine Learning

- Machine Learning gained prominence with a focus on developing algorithms that could enable computers to learn patterns from data.
- Support Vector Machines (SVMs), Decision Trees, and Neural Networks emerged as foundational ML techniques.
- The field of Natural Language Processing (NLP) saw advancements with systems capable of understanding and generating human language.

2010s: Deep Learning and Big Data

- Deep Learning, a subset of ML, gained traction, led by

Regenerate

1950s-1960s: The Birth of AI
1970s-1980s: Knowledge-Based Systems
1990s-2000s: Rise of Machine Learning
2010s: Deep Learning and Big Data

Present and Beyond: AI Integration • AI and ML are integrated into everyday life, from voice assistants like Siri and Alexa to personalized content recommendations on streaming platforms.



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The Brilliant Ways UPS Uses Artificial Intelligence, Machine Learning And Big Data





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Reducing Flight Delays with AI and Analytics





A.I. in the cockpit

BY KEITH BUTTON | JANUARY 2019

Modern airliners do a good job of flying automatically until something unexpected happens. At that point, a pilot takes control and typically resolves the problem with no drama or fanfare. Very rarely, though, a pilot must save the day or die trying. For passenger planes to fly autonomously, software would have to be capable of handling these edge cases.

ARTIFICIAL INTELLIGENCE IN THE COCKPIT COULD MONITOR PILOT FATIGUE AND
HEALTH

AI: how it's delivering sharper route planning

**AI IN THE COCKPIT: WHY IS THE PILOT OF
YOUR PLANE ON THE GROUND?**



TECH · A.I.

Microsoft president Brad Smith warns A.I. could be weaponized unless there's human intervention

Maybe something even more sinister...





Meet 'Pibot,' the humanoid robot that can safely pilot an airplane better than a human





Thank you

