Microsoft

Generative AI

A new frontier for Creativity and Productivity

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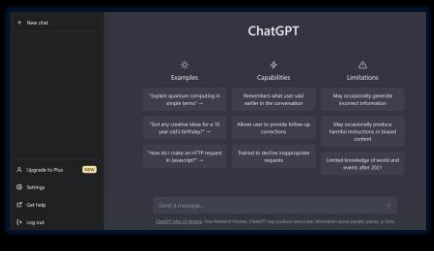
Rethinking Human Machine Interaction with Natural Language



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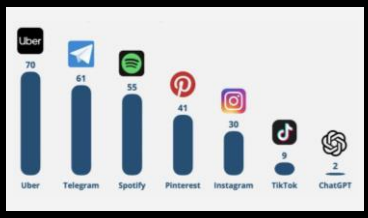
ChatGPT took 2 months to reach 100 Million Users



yahoo! finance

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NOVA IMS

Leveraging chatGPT models with all Teachers

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Generative AI

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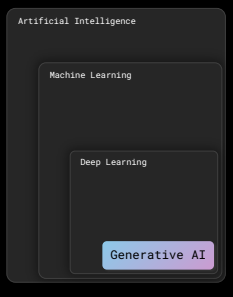

Artificial Intelligence (1950)
The field of computer science that seeks to create intelligent machines that can replicate or exceed human intelligence

Machine Learning (1997)
Subset of AI that enables machines to learn from existing data and improve upon that data to make decisions or predictions

Deep Learning (2012)
A machine learning technique in which layers of neural networks are used to process data and make decisions

Generative AI (2018)
Create new written, visual, and auditory content given prompts or existing data

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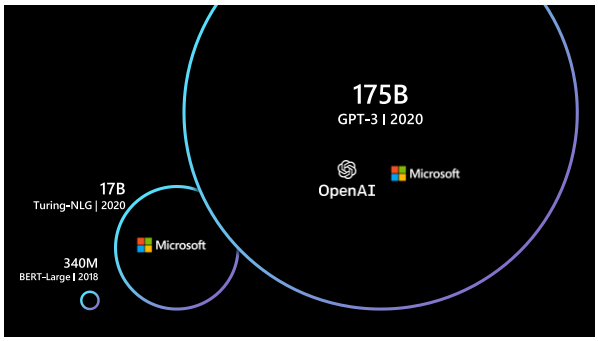

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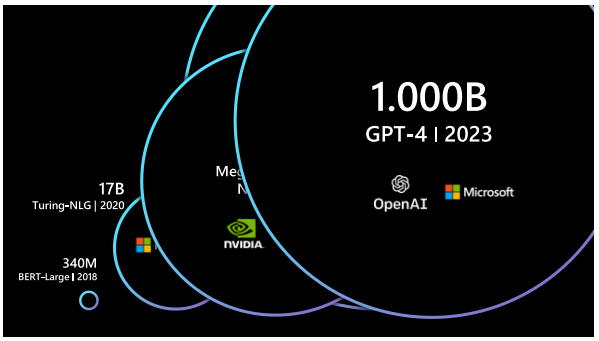

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Sparks of Artificial General Intelligence

- Interaction with humans
- Simple and advanced math
- Composing music
- Executing code
- Executing pseudocode
- Reasoning about code execution
- Image generation


Sparks of Artificial General Intelligence:
Early experiments with GPT-4

Microsoft Research

Abstract

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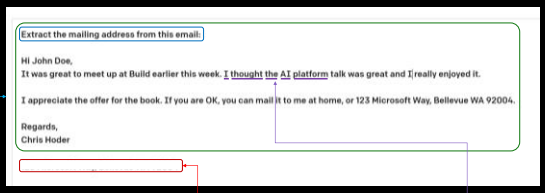
Key Concepts


Extract the mailing address from this email:

Hi John Doe,
It was great to meet up at Build earlier this week. I thought the AI platform talk was great and I really enjoyed it.

I appreciate the offer for the book. If you are OK, you can mail it to me at home, or 123 Microsoft Way, Bellevue WA 92004.

Regards,
Chris Hoder

Prompt—Text input that provides **some context** to the engine on what is expecting.

Completion—Output that GPT-3 generates based on the prompt.

Token — partial or full words processed and produced by the GPT models

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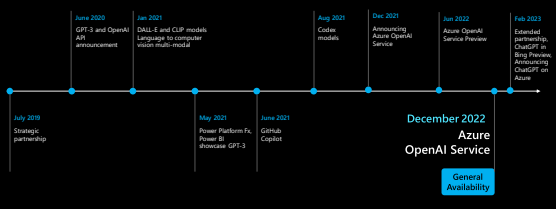
OpenAI and Microsoft



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OpenAI Microsoft

Generative AI

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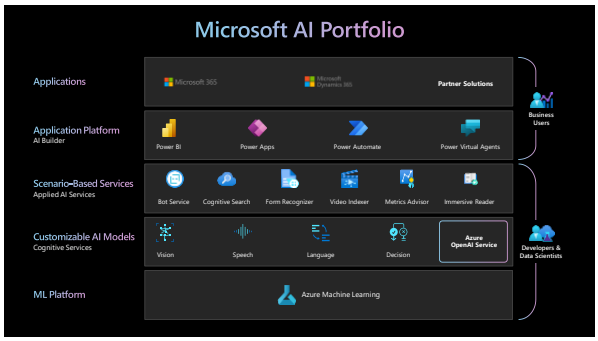

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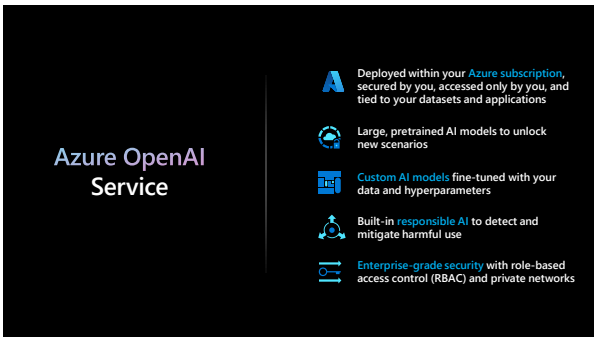

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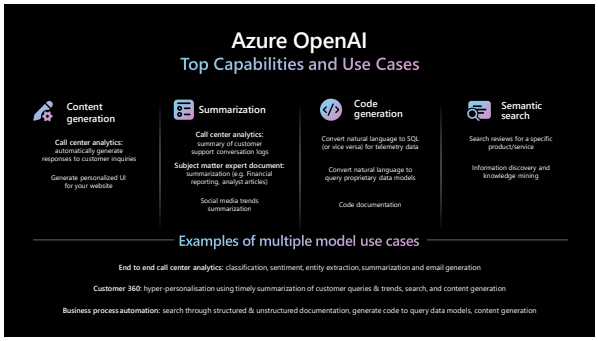

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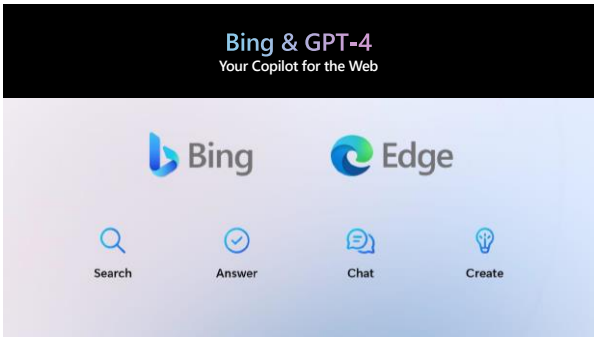

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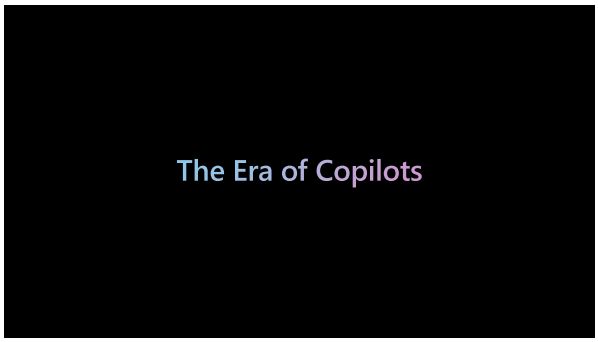

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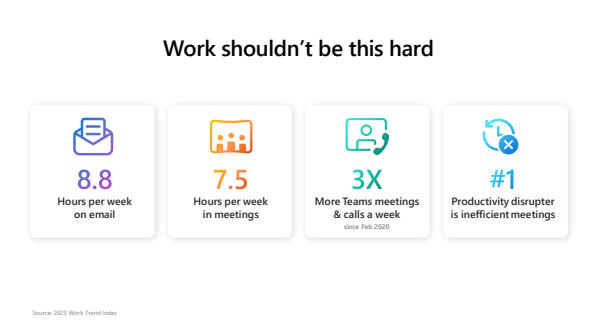

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A New AI-Employee Alliance

of people say they're worried AI will replace their jobs

would delegate as much work as possible to AI to lessen their workloads

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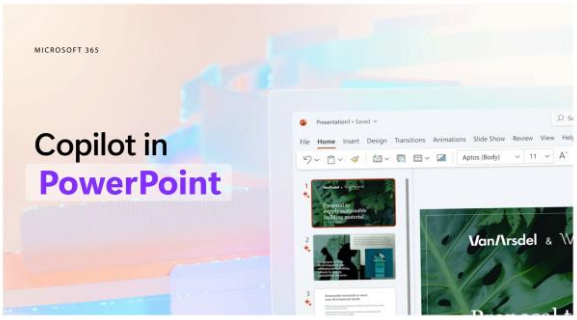

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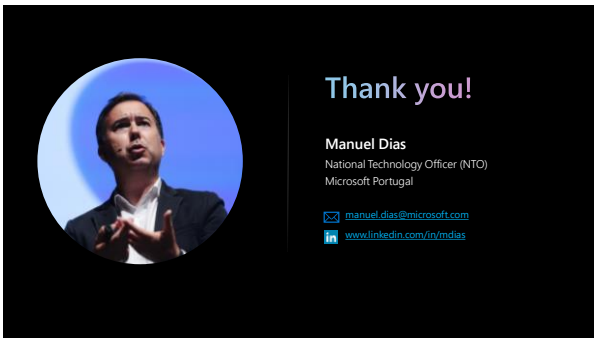

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