

Doesn't seem so
ARTIFICIAL
any longer, does it?

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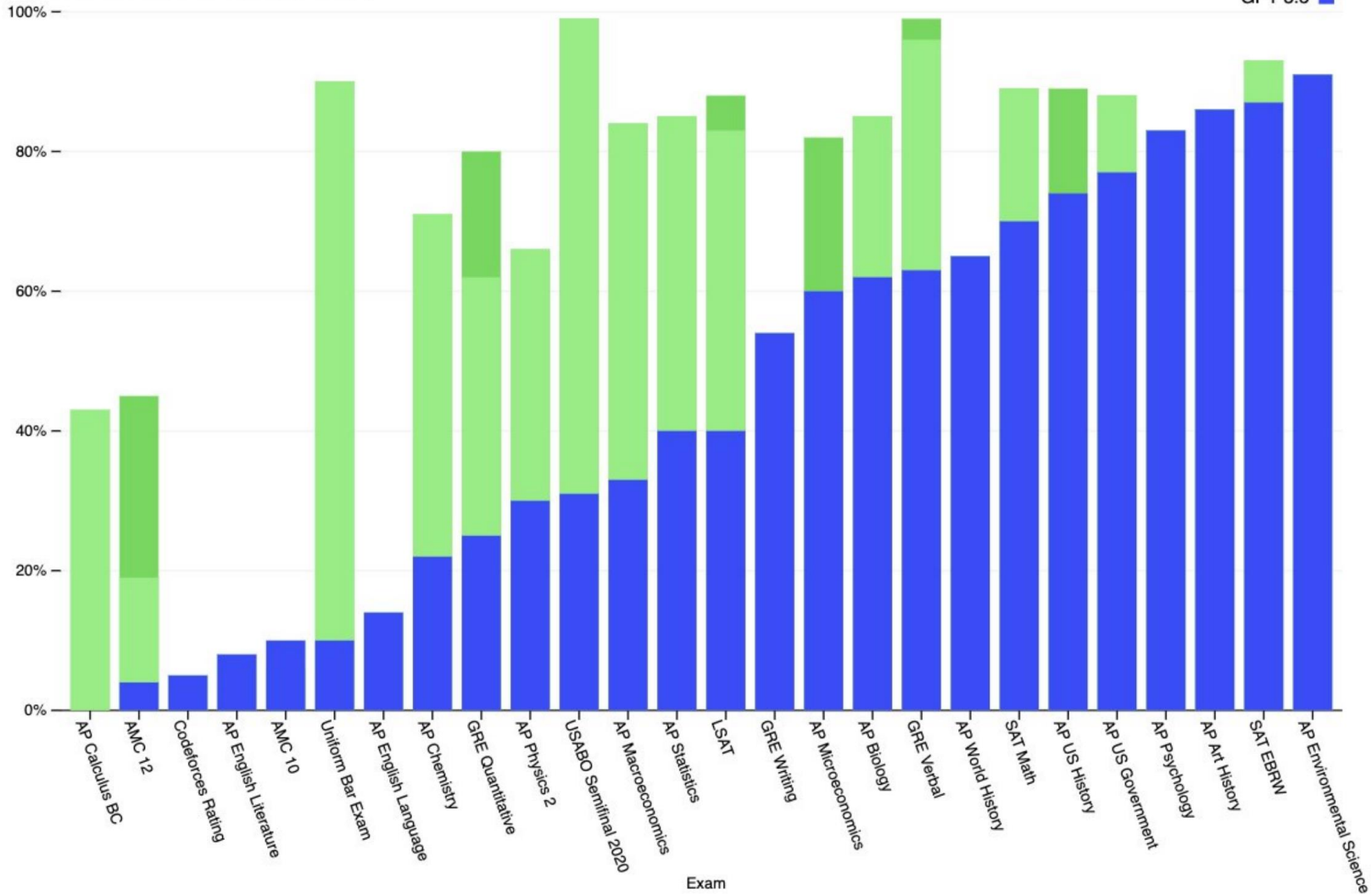
The age of AI

AI will break the world out of its stagnant productivity cycle – and set the stage for a new era of innovation.

Exam results (ordered by GPT 3.5 performance)

Estimated percentile lower bound (among test takers)

GPT 4
GPT 4 (no vision)
GPT 3.5



“Computers will one day see, hear, talk, and understand human beings.”

Bill Gates

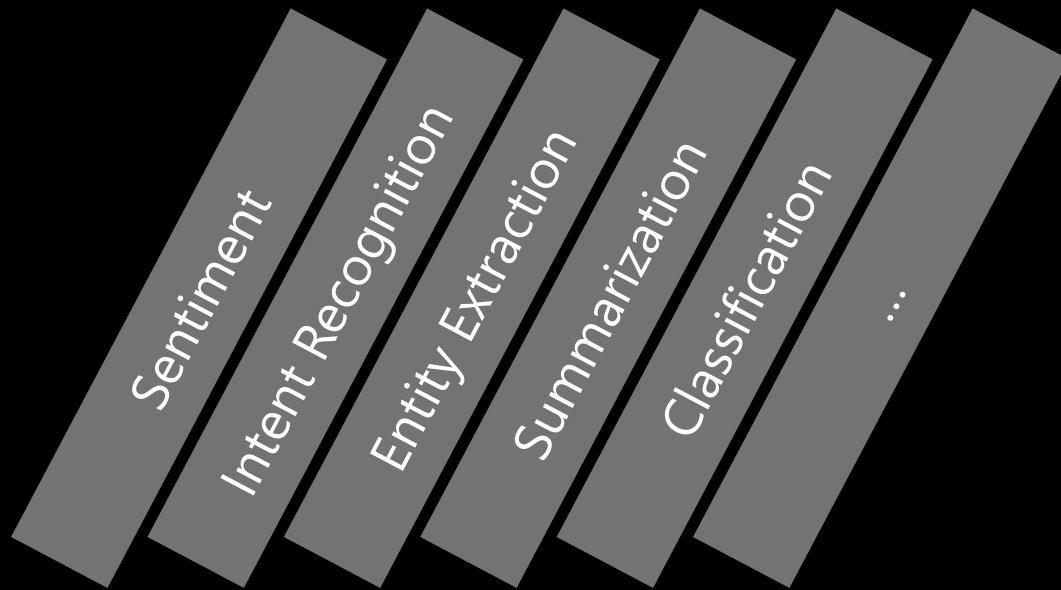
Generated Image by Redshift via Diffusitron

*Slide courtesy of BAP Foundations team



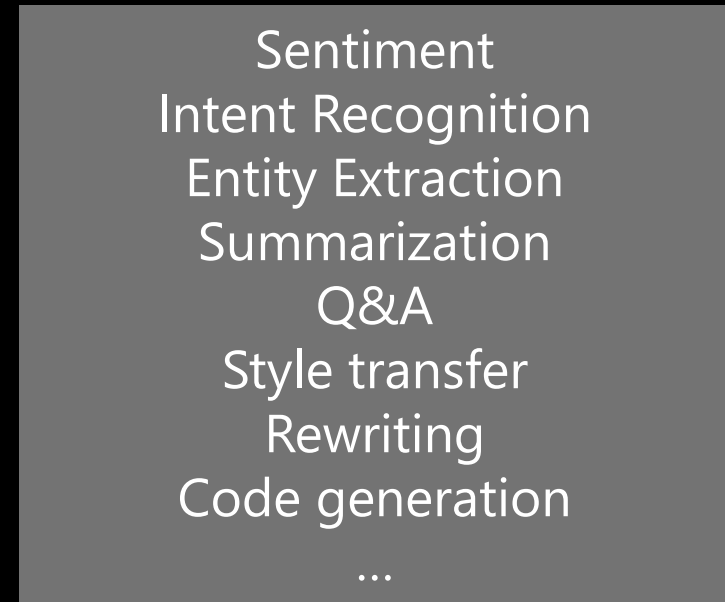
Why is OpenAI different?

Typical ML for NLP



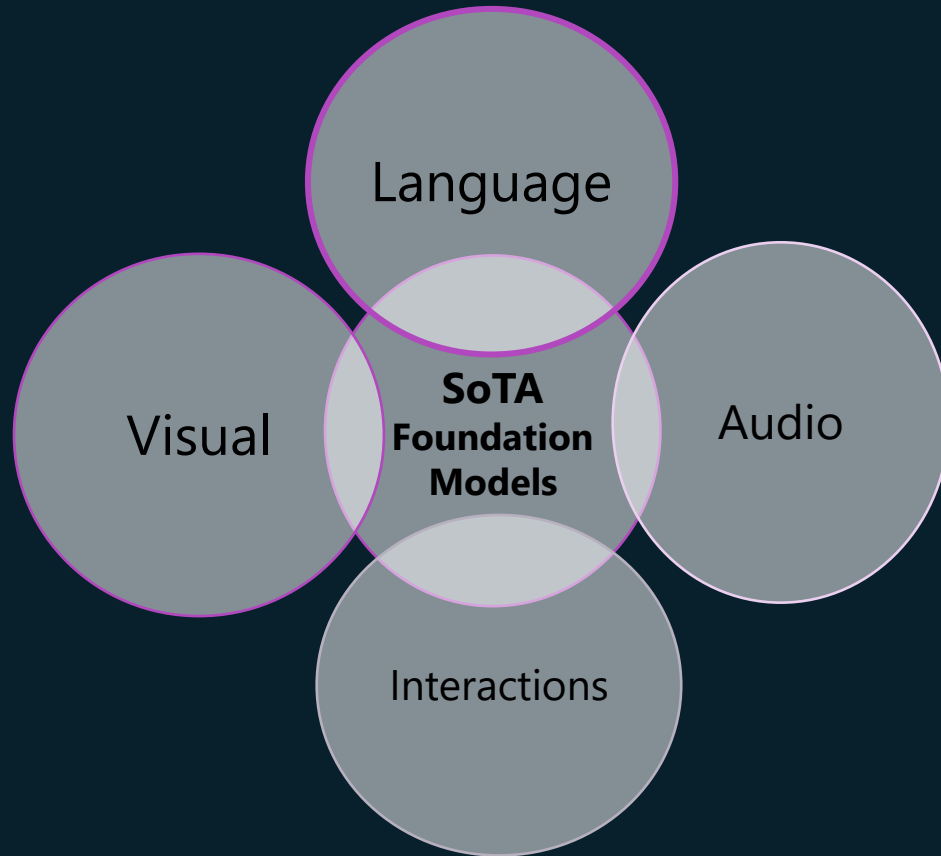
One model per capability
Lots of data to train
Highly optimized for use case

OpenAI GPT-3



Single large model for all use cases
Describe in «human language» what you want
it to do

State-of-the-Art large-scale foundation models



North Star

Unified foundation models across all modalities

Modalities:

Language, image, video, audio, interactions...









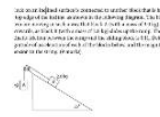















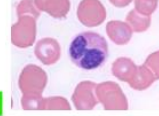

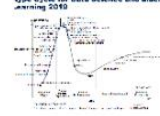






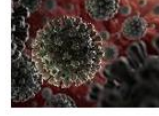

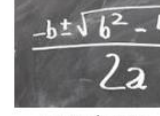
Languages:

Across English & all other languages

Capabilities

Understanding & Generation

Florence: Enabling single foundational model across verticals

Species	Landmark	Logo	Products	Celebrity	Movie	Medical	Artworks	Documents
 American White Ibis	 Mt Rainier Washington	 Microsoft	 Capri Sun Fruit Punch case	 Jean Reno	 The Return of the Jedi	 chest CT	 Romanian glassware	 free body diagram
 Sunflower Hearts	 Griffith Observatory	 Honda logo	 Campbell's Well Yes minestrone kale soup	 Charlize Theron	 Pirates of the Caribbean	 abdominal organs	 wooden statue	 dock receipt
 Shamu show	 BMW Headquarters	 USPS tracking	 Barefoot Contessa cookbook	 Dwade	 Avengers Trails	 monoblasts	 Along the River during the Qingming festival	 gartner hype curve
 Roebuck deer	 Snoqualmie Ridge	 Starbucks	 Dove sensitive beauty bar	 Elon Musk	 The Lion King movie	 virus	 Irises painting	 ecuaciones algebraicas

- Vocabulary size 400k+ (vs. 22k in ImageNet)



Text to image

Image to video

NUWA | Infinity

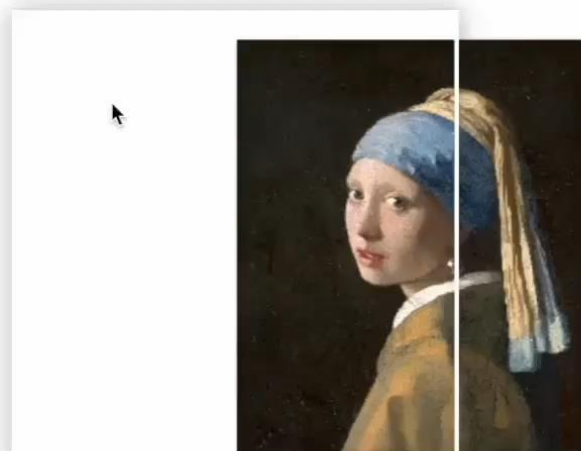
A cloudy morning
on the beach with
the tide coming in



Mountains
with clouds



DALL-E OutPainting



LLM = extremely advanced auto-
complete

But that doesn't sell very well on the "AI" vision

Microsoft Bing

Your copilot for the web

[Link](#)

 Ask me anything...  

0/1000

I need to throw a dinner party for 6 people who are vegetarian. Can you suggest a 3-course menu with a chocolate dessert?

[Try it](#) [Learn more](#)



Microsoft 365 Copilot

Natural Language



Large Language
Models

+



Microsoft Graph
- Your Data -

+



Microsoft 365
Apps

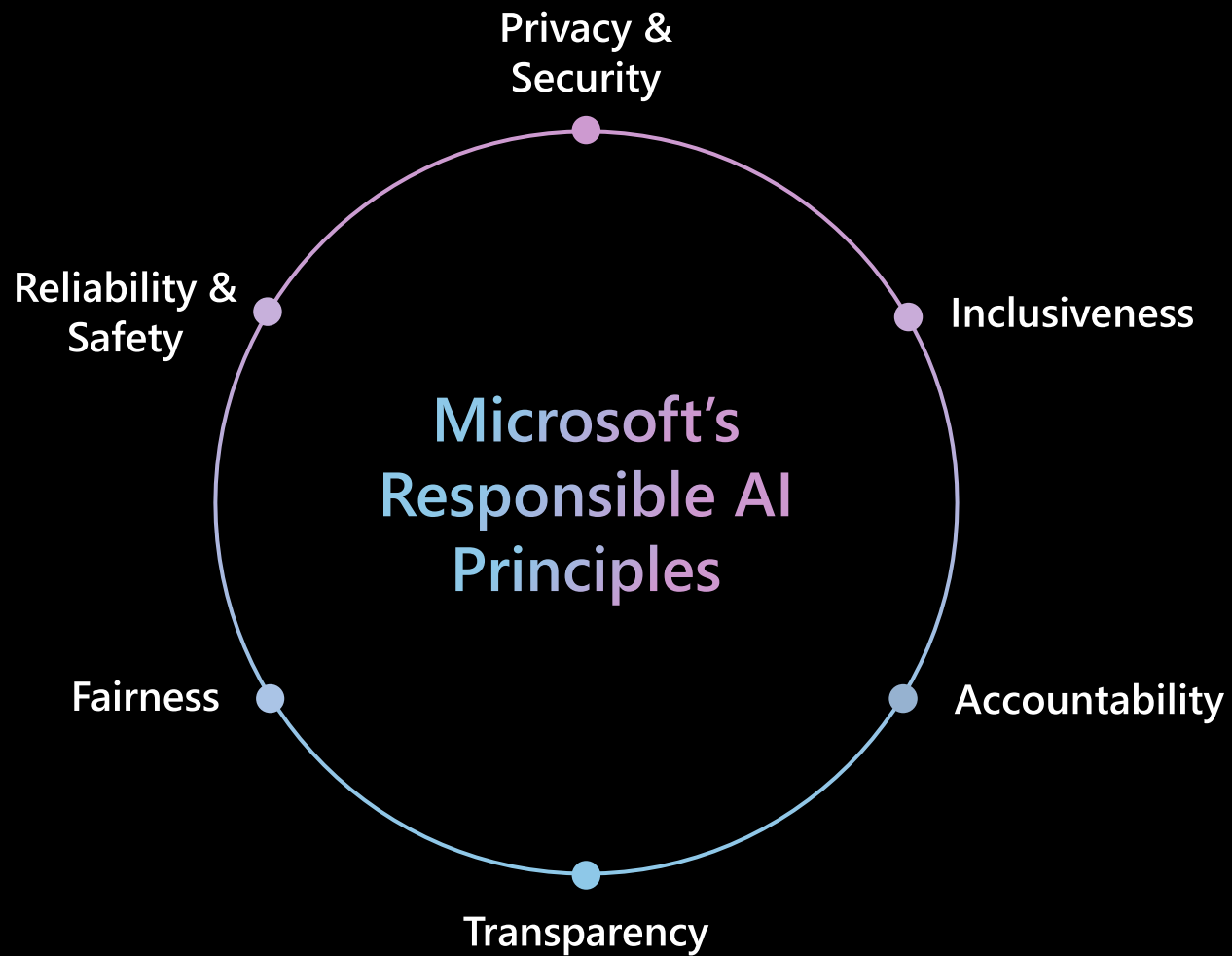
Innovations to move Low code to No code

Announcing

Natural language to cloud flow in Power Automate

The screenshot displays the Power Automate interface. On the left, a 'Describe it to design it (preview)' window is open, showing 'Step 1 of 3' with the heading 'AI power turns words into a workflow'. The text input field contains 'Every time someone responds to a Microsoft Forms survey, post a message to Teams and send an email'. Below this, a 'Suggested flow' is shown: 'When a new response is submitted' followed by 'Multiple actions'. A 'Next' button is at the bottom left of this window.

The main workspace shows a workflow diagram with three steps: 'When a new email arrives', 'Create a task (Preview)', and 'Post message in a chat or channel'. The 'Post message in a chat or channel' step is expanded, showing configuration options: 'Post as' (Flow bot), 'Post in' (Channel), 'Team' (Flower Shop), and 'Channel' (Customer orders). The message content is: 'We've received a new customer order! See details: https://tasks.office.com/pacustomerdemo.onmicrosoft.com/Home/Task/'. A 'Dynamic content' panel is open on the right, showing a search bar and a list of dynamic content items: 'Created By User Display Name', 'Created By User Id', 'Title', and 'Id'.



Building blocks to enact principles



Tools and processes



Training and practices



Rules



Governance

Going forward



Governance
systems



New research
and policies



Innovative
technologies



Tools for
customers

aka.ms/ResponsibleAIResources

Thank you