GenAl Mastery:

Charting the Frontier of Marketing with ChatGPT

Michael Wu, PhD (@michelwu) chief Al strategist @ PROS

2024.03.20



1

Michael Wu, PhD (@mich8elwu) chief Al strategist @ PROS

2024.03.20



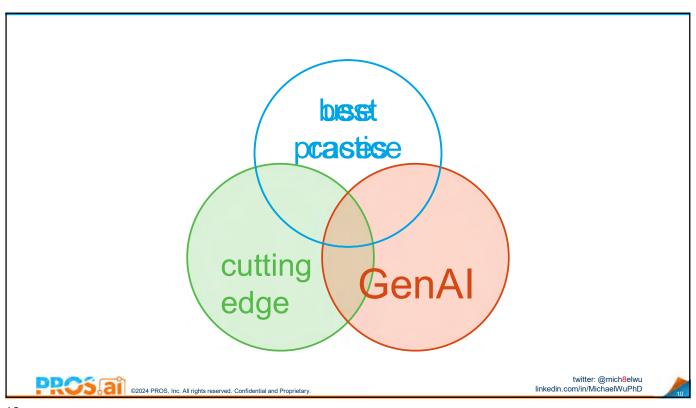


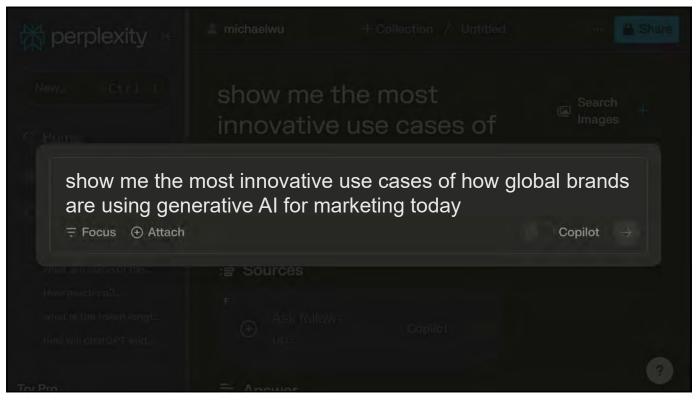
best practice

cutting edge

Al

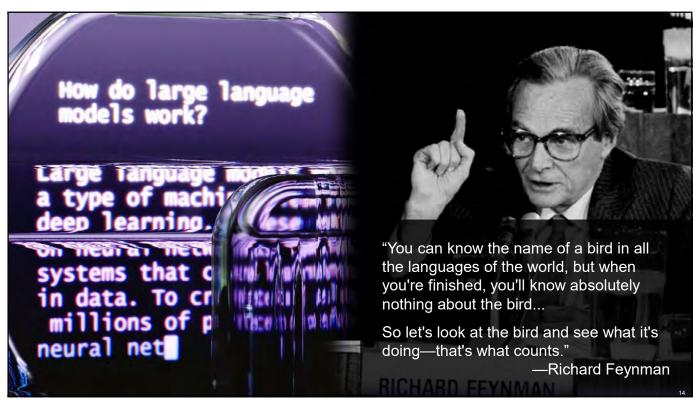
Exitter: @mich8elvu linkedin.com/in/Michael/NuPhD











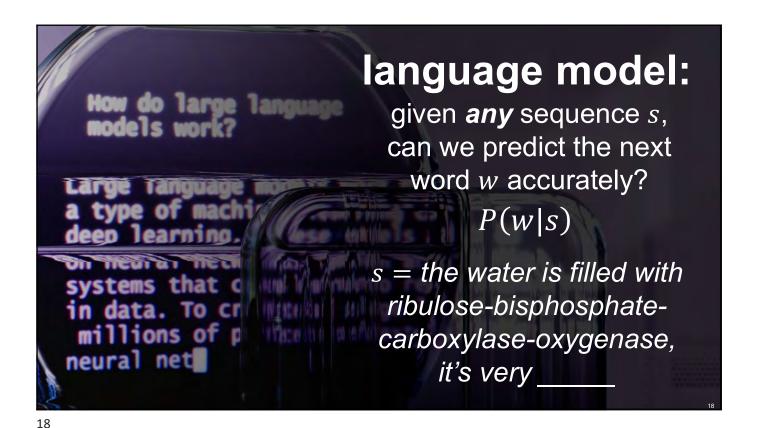




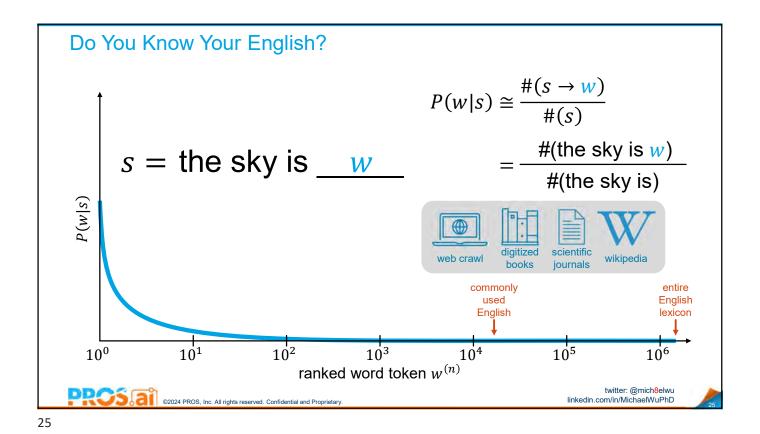
language model:

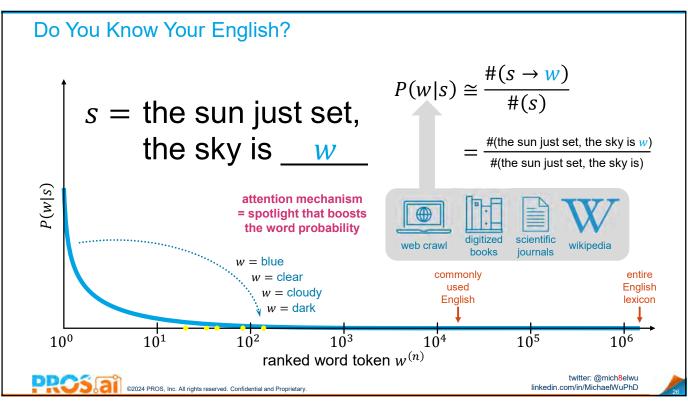
probabilistic model that captures the sequential structure of word tokens

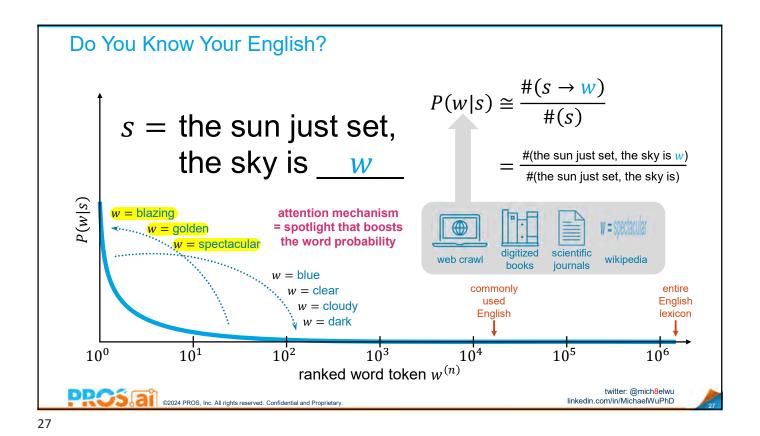
given any sequence s, can we predict the next word w accurately? P(w|s)

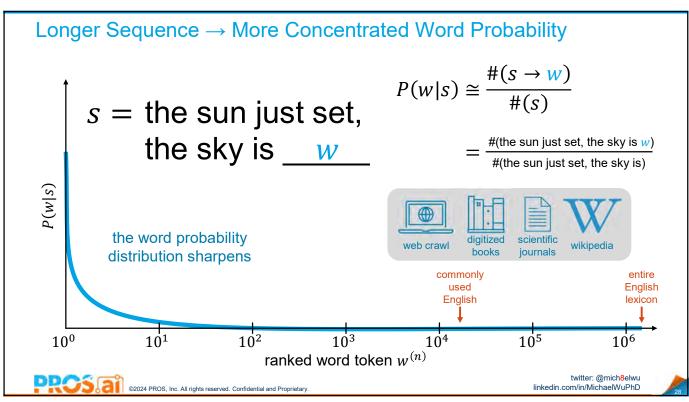


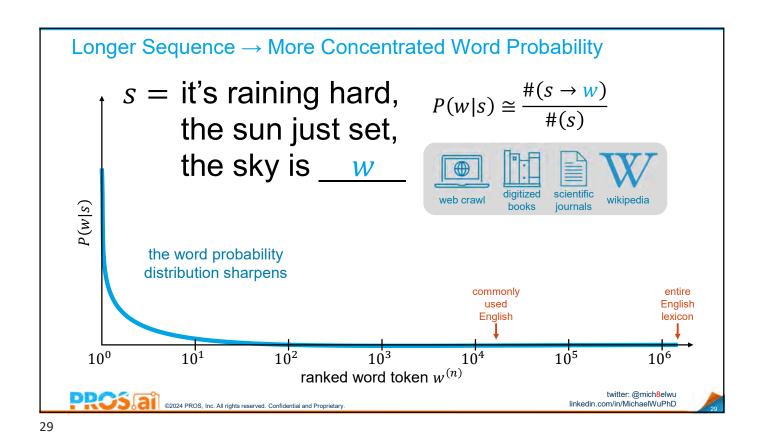
Do You Know Your English? $P(w|s) \cong \frac{\#(s \to w)}{\#(s)}$ #(the sky is blue) s =the sky is \underline{w} #(the sky is) w = bluescientific digitized wikipedia w = clearentire commonly w = cloudyw = darkw = delicious**English** English lexicon 10^{4} 10^{0} ranked word token $w^{(n)}$ twitter: @mich8elwu linkedin.com/in/MichaelWuPhD

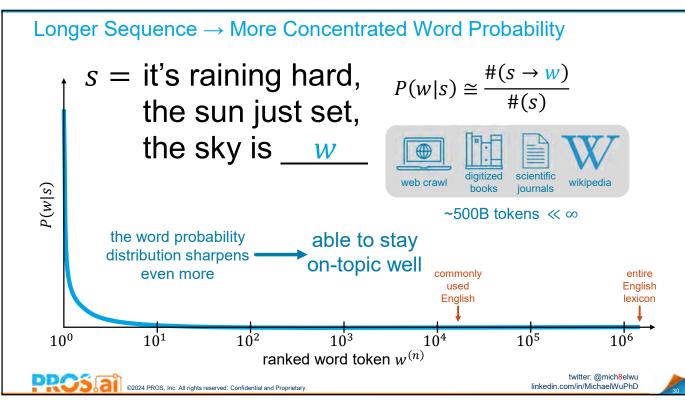


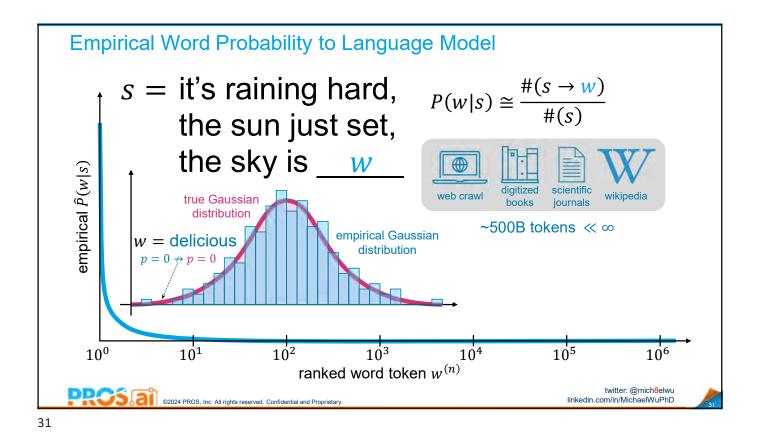




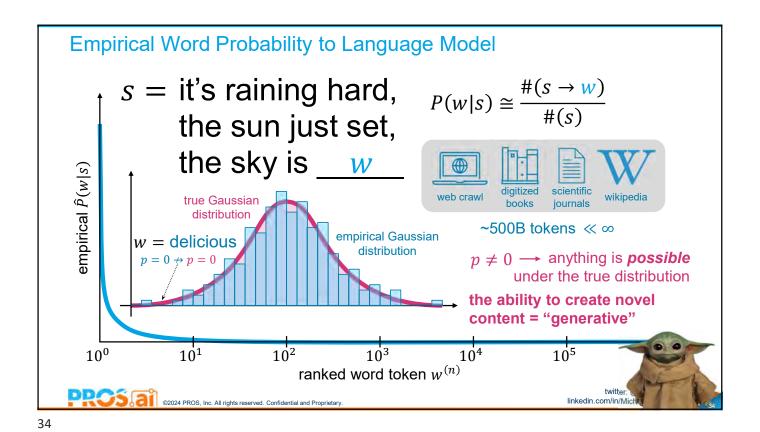


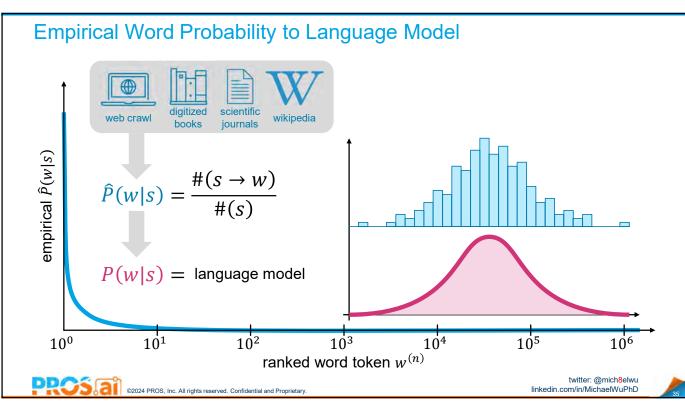


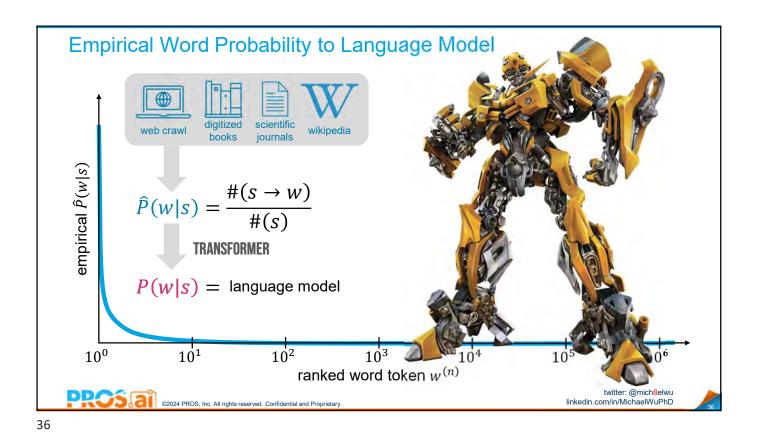


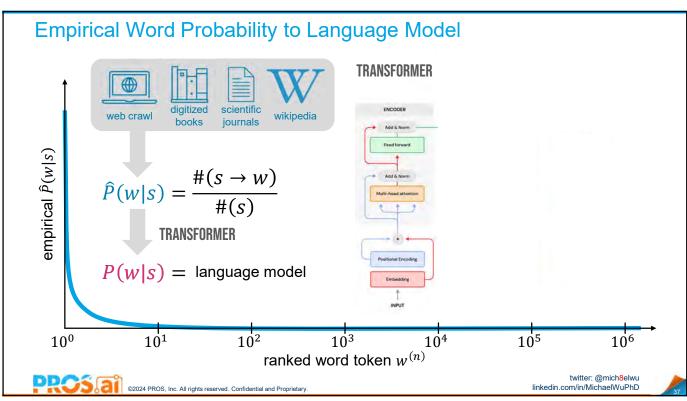


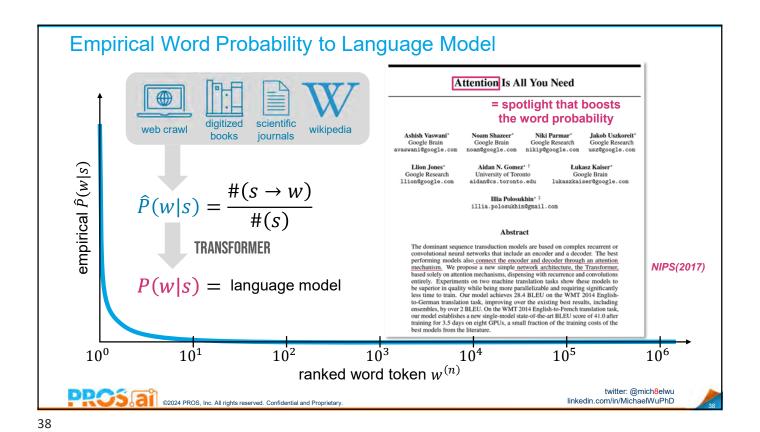


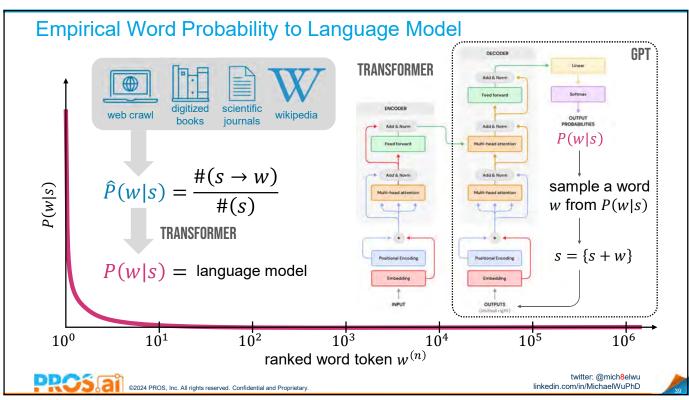


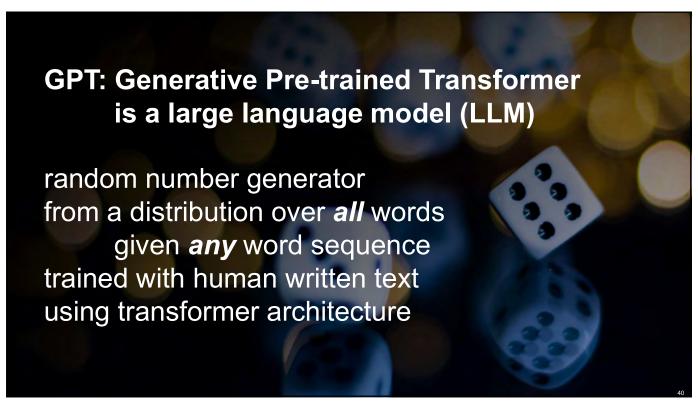




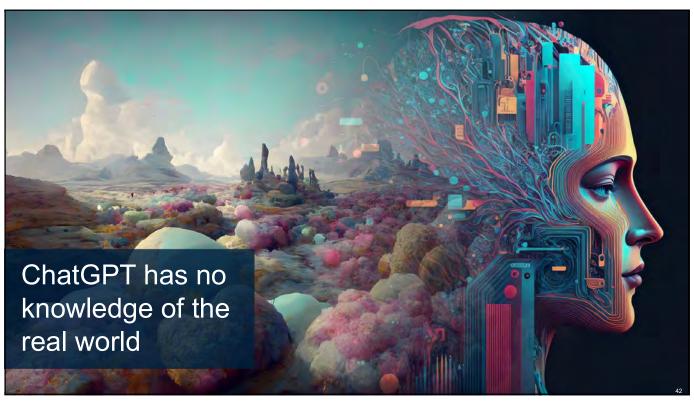
















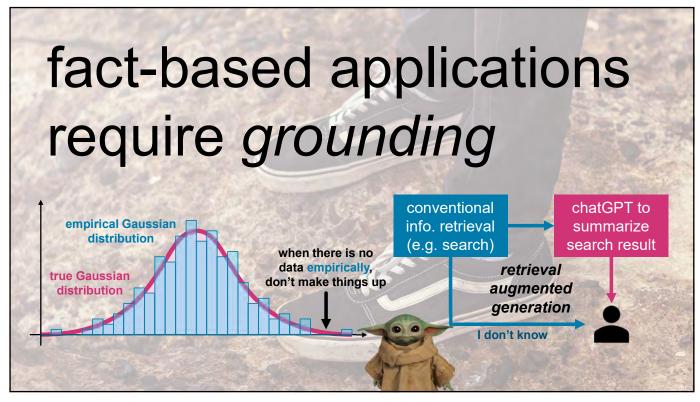








7,5



A Language Guru with Broad General Knowledge

think of ChatGPT as a colleague

- reads lightning fast
- understands any language
- forgetful: small working memory (limited context length)
 - GPT3.5: ~4K tokens
 - GPT4: ~128K tokens
- has broad (non-specific) knowledge
- very imaginative, but overconfident

how could you leverage and work with someone with such skill?

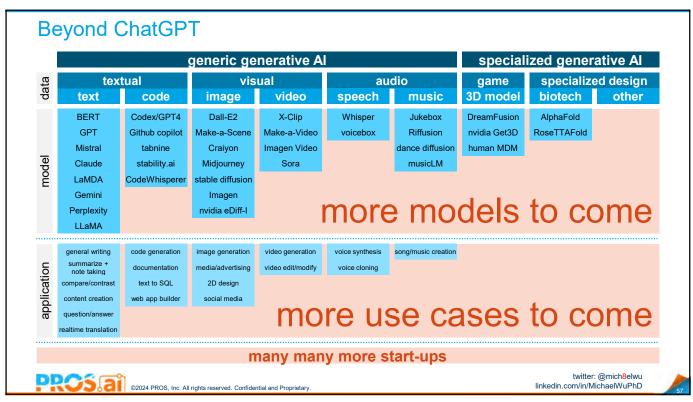


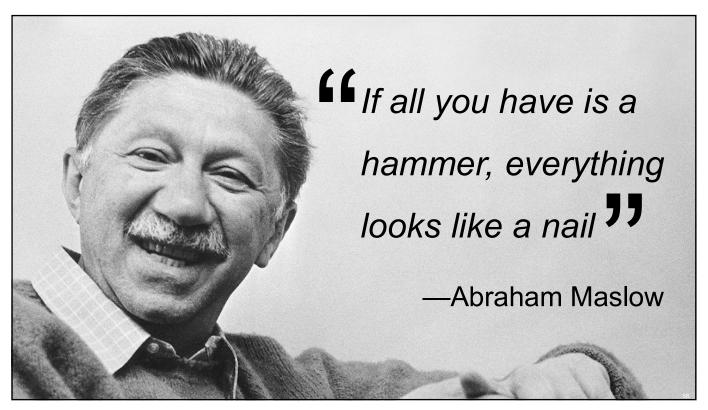


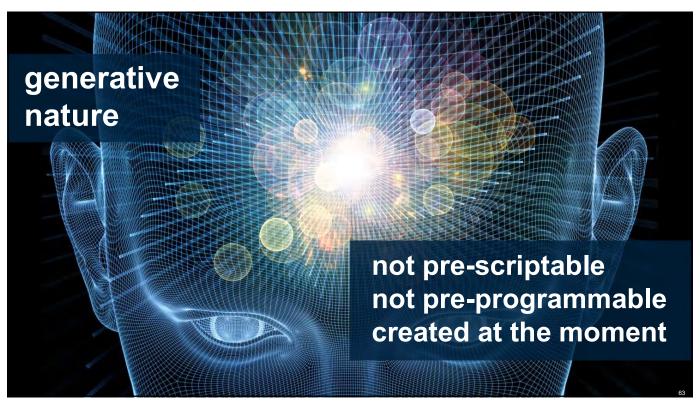






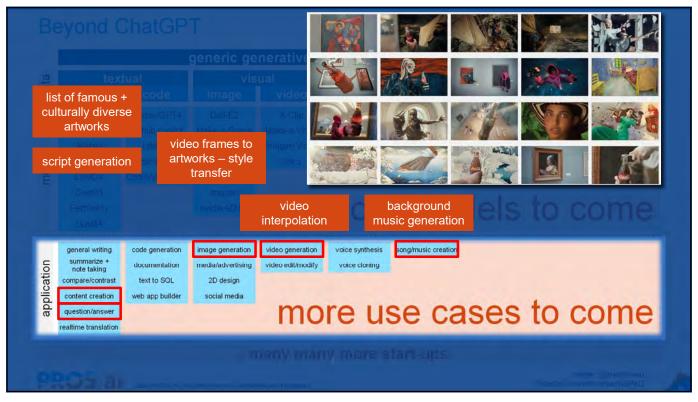




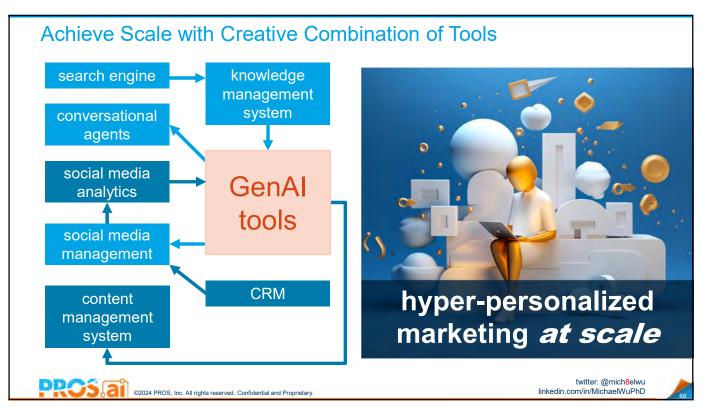


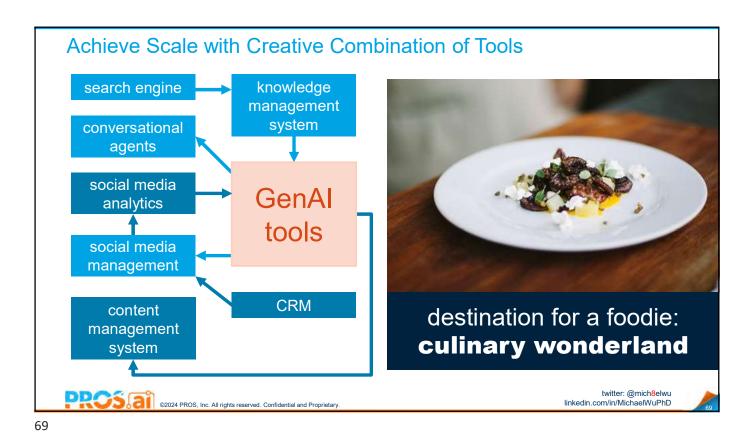
	generic generative Al						specialized generative Al			
data										
ī	general writing	code generation	image generation	video generation	voice synthesis	song/music creation				
application	summarize + note taking	documentation	media/advertising	video edit/modify	voice cloning					
	compare/contrast	text to SQL	2D design							
	content creation	web app builder	social media							
	question/answer			mo	re III	SACE	292	to co	me	
2.5	realtime translation	more use cases to come								



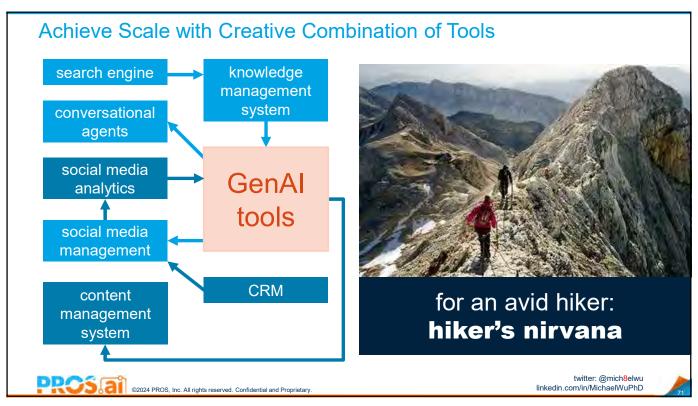


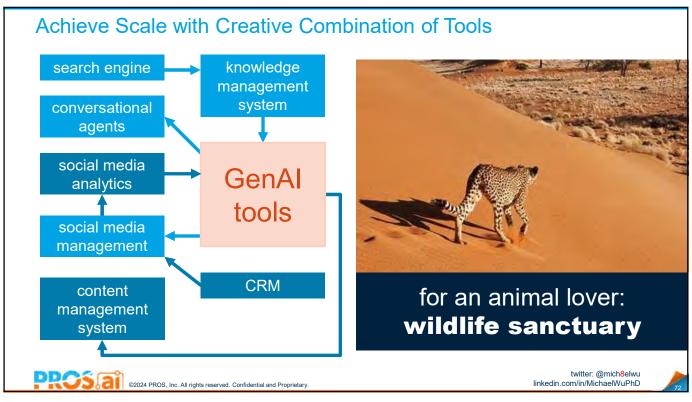


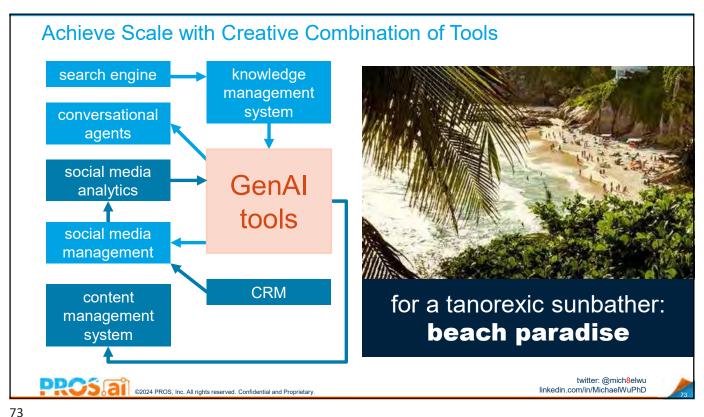


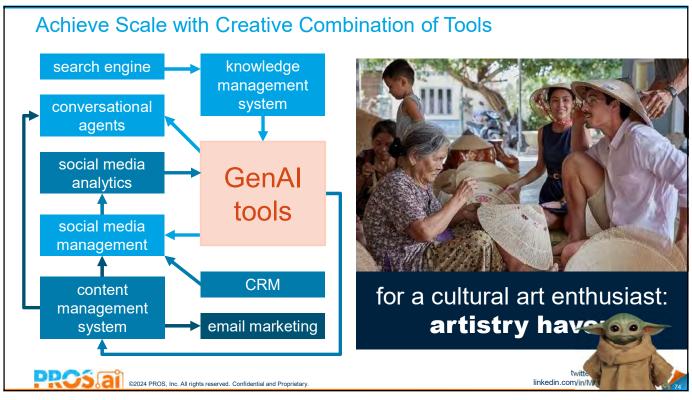


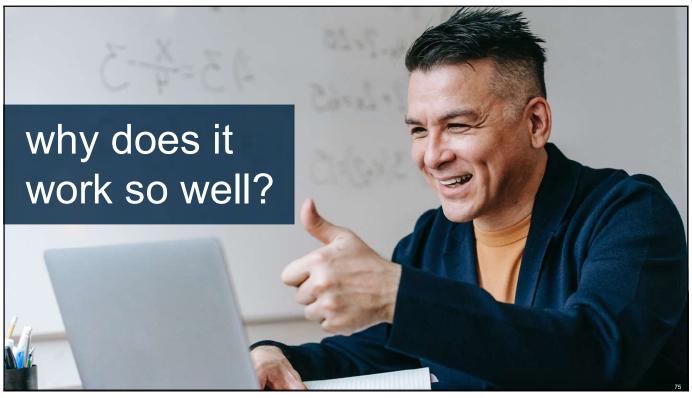
Achieve Scale with Creative Combination of Tools knowledge search engine management system conversational agents social media GenAl analytics tools social media management **CRM** content for an architecture buff: management architectural oasis system twitter: @mich8elwu linkedin.com/in/MichaelWuPhD ©2024 PROS, Inc. All rights reserved. Confidential and Proprietary.

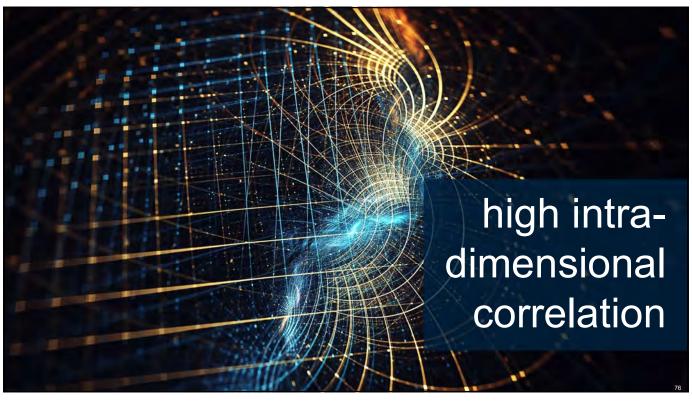


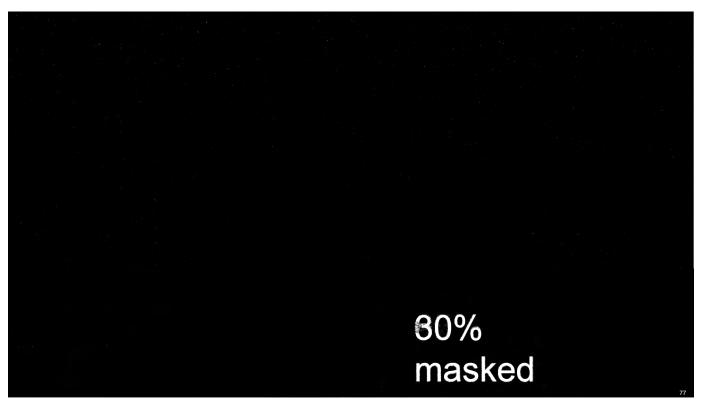


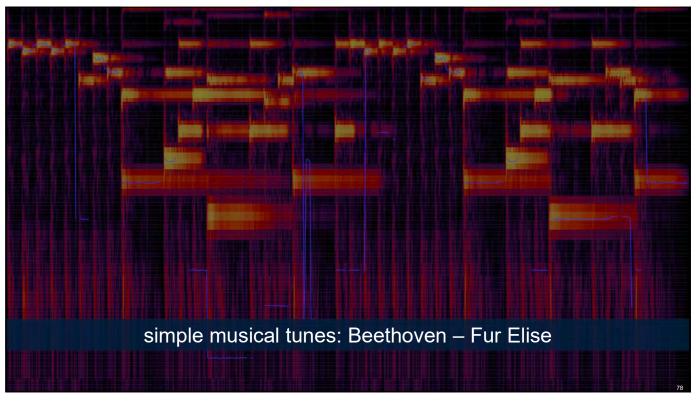


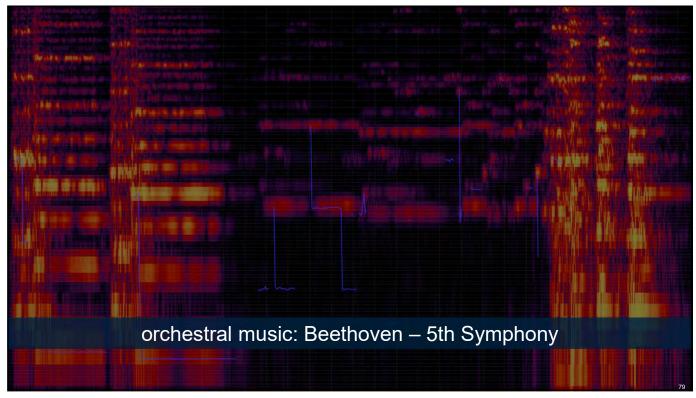




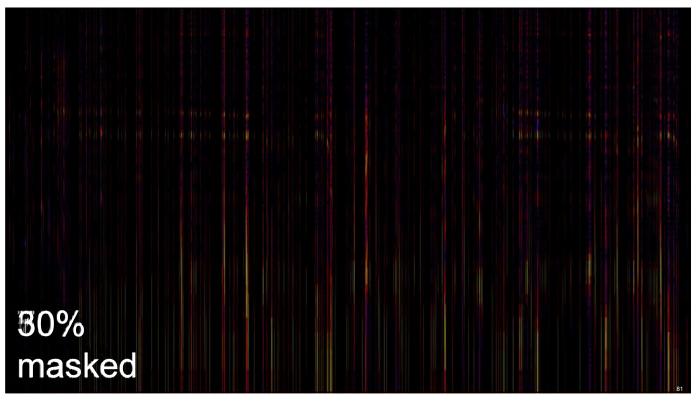


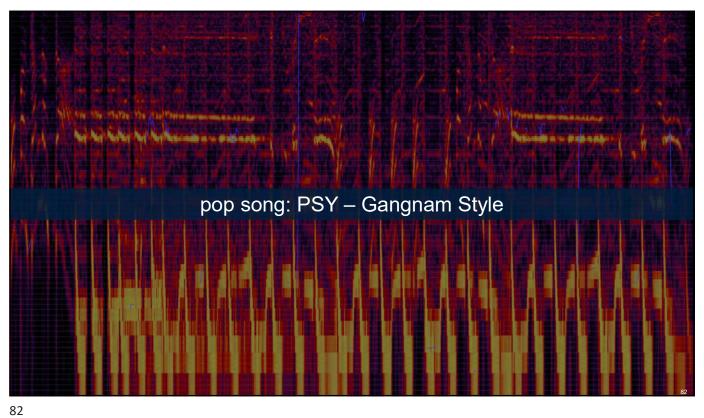


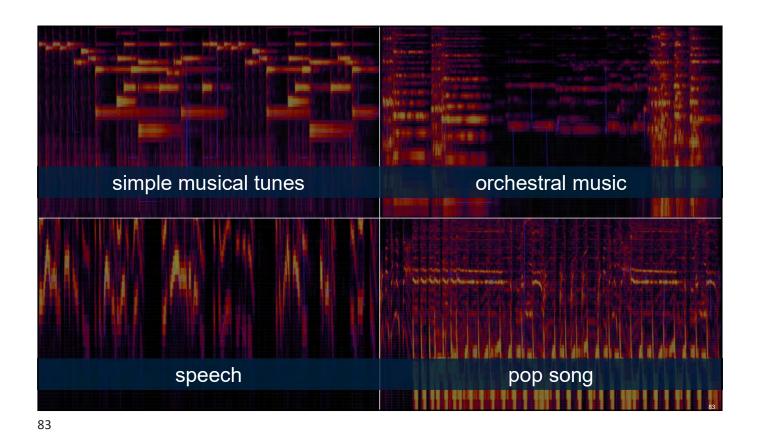












ChatGPT and Beyond

50th b-day poem from ChatGPT

Happy birthday, Dr. Michael Wu Today we celebrate all that you do Your wisdom and insight we hold so dear Your guidance and leadership, always so clear

> In the field of revenue management You are a true expert and phenomenon Your knowledge and skills have paved the way For success and growth, day by day

Your dedication and hard work
Are an inspiration, no need to lurk
Your passion for learning and innovation
Have brought us all great motivation

So on this special day, we honor you For all that you have accomplished, it's true We wish you joy, happiness, and health May your dreams and goals be realized with wealth

Happy birthday, Dr. Michael Wu We are grateful for all that you do May your year ahead be filled with delight And your future be forever bright







©2024 PROS, Inc. All rights reserved. Confidential and Proprietary.







