

Prompt Engineering Mini Workshop

Hands-On workshop for **Vaco Raleigh** to understand AI's history that led to Gen AI. Practicing how to write effective prompts and avoid pitfalls.



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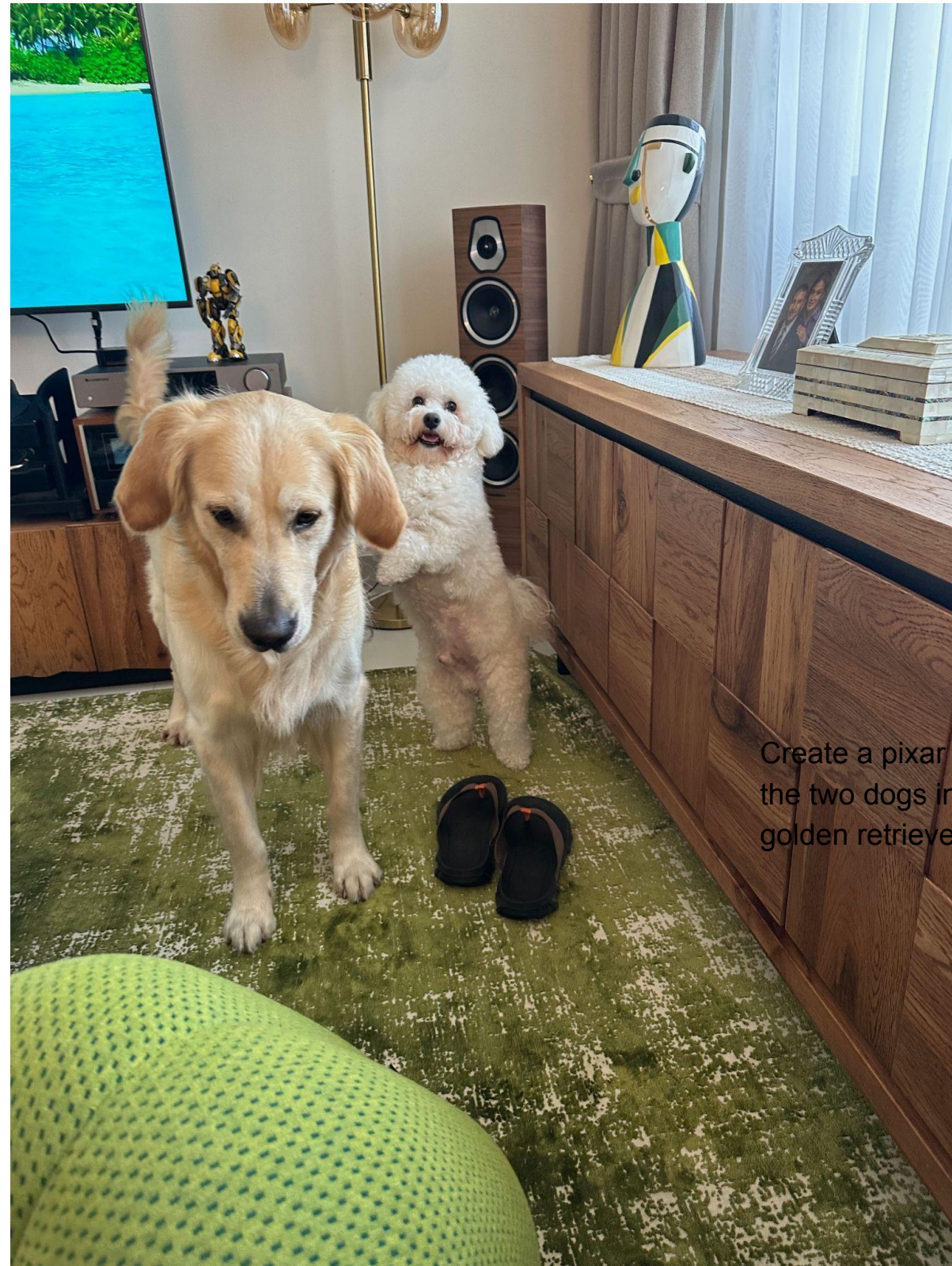


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This Changes Everything...



Let's Change Our Workflow....add FUN.



Create a pixar like characters from the two dogs in this picture. A golden retriever and a bichon frise



Meet Charlie...The **Responsible**



Act as an expert Pixar Disney animator. Generate a pixar like scene inspired by the photo with the two characters in the photo, Me as Fadi and the dog as Charlie.



Make the dog happy



Meet the ‘ Man.’



Generate a
pixar like
image using
this photo



The term "snow man" does not have a specific meaning in the context of "snow job." The phrase "snow job" itself refers to a deceptive or misleading attempt to persuade someone, often through flattery or overwhelming information (or cuteness).

However, if "snow man" were to be used in a similar context, it could potentially be interpreted as someone who performs a "snow job" – essentially, a person who deceives or misleads others. This interpretation is not a standard usage and would depend on the context in which it is used.

References

[1] [Snow job - Words of Deception and Trickery | Merriam-Webster](#)

[2] [snow job: Idiom Meaning and Origin - The Village Idiom](#)

Welcome to Our Workshop

Building Hands on Practical Experience with Prompt Engineering (Mini)

■ Speaker Introduction

Your speaker is an expert in AI and digital transformation with 31+ years of professional experience in consulting, c-suite, and startups.

■ Workshop Purpose

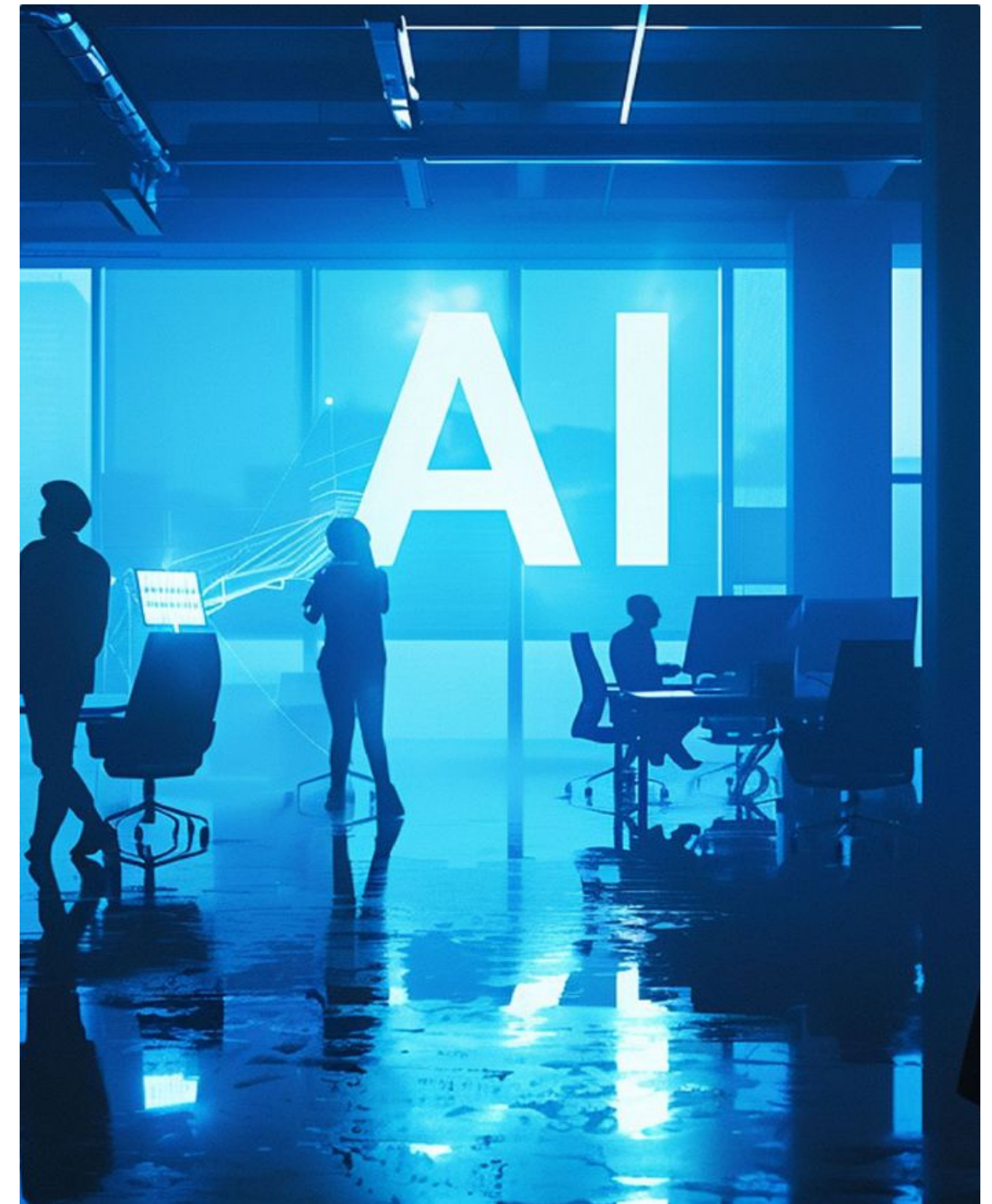
The goal of workshop is to describe the evolution of AI that led to its explosive growth. Showing you a fun and immersive way to engage with it and benefit.

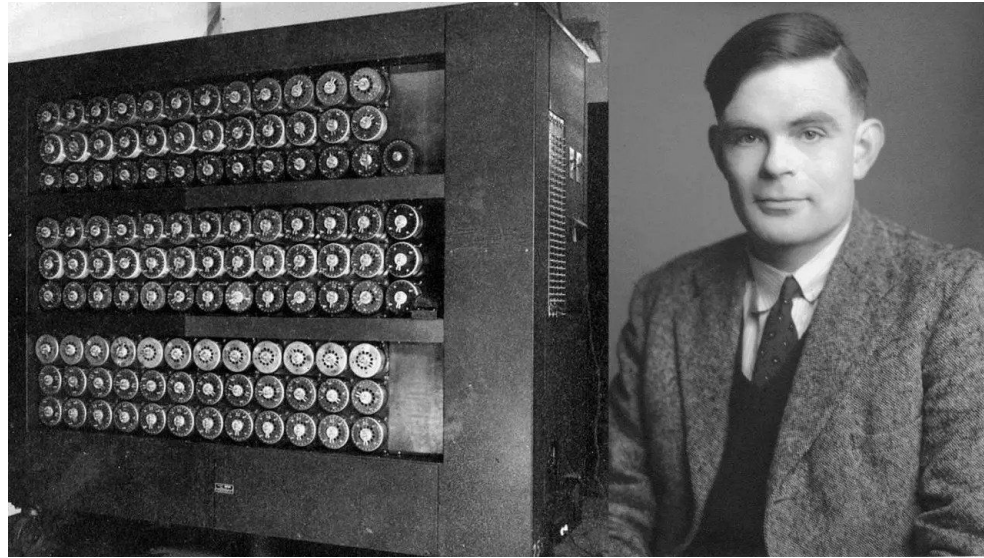
■ Importance of AI Today

AI is not just a trend; it's a transformative force that is changing how we work and interact.

■ Engagement and Interaction

Feel free to chime in with questions and observations as we go through the workshop.





Source: <https://pivotal.digital/insights/1936-alan-turing-the-turing-machine>

The Evolution of AI

Tracing the Journey of Artificial Intelligence

■ Origins of AI

AI concepts trace back to Turing, who proposed early rules for machine intelligence.

■ Rule-Based Systems

Initial AI systems were rule-based, relying on predefined algorithms to solve problems.

■ Machine Learning Emergence

The evolution of AI saw the introduction of machine learning, allowing systems to learn from data.

■ Deep Learning Revolution

Deep learning techniques emerged, enabling AI to process vast amounts of unstructured data effectively.

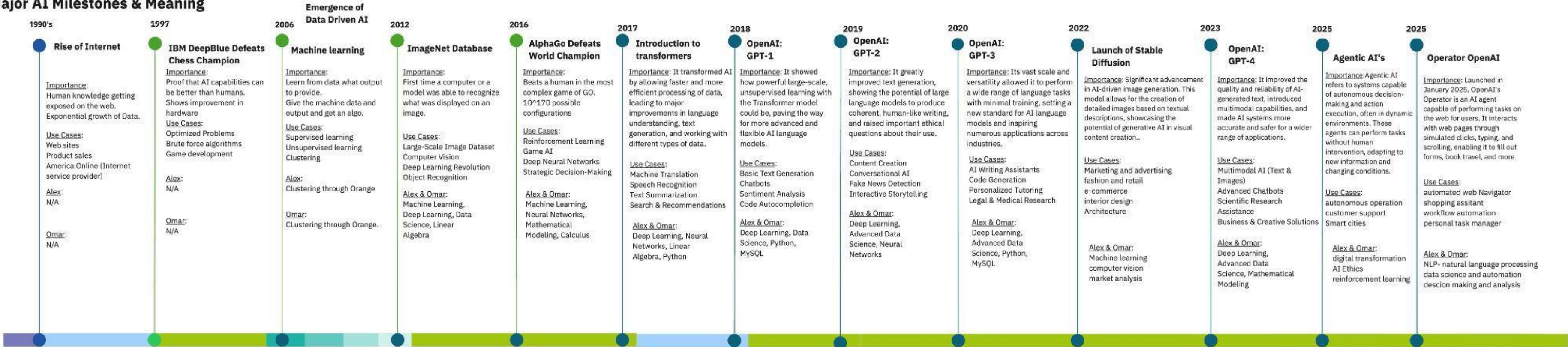
■ Generative AI Explosion

Since 2022, generative AI has gained prominence, creating content and solutions autonomously.

The Evolution of AI

Tracing the Journey of Artificial Intelligence

Major AI Milestones & Meaning



Source: Omar Abdellatif & Alexandre Gallais
<https://www.linkedin.com/in/omar-abdellatif11/>
<https://www.linkedin.com/in/alexandre-gallais-3a5528239/>

Transformative Changes in AI Landscape

Understanding the catalysts for rapid AI progress. Why all this urgency now?

■ Open-source breakthroughs

Recent advancements in large language models and vision models have revolutionized AI capabilities.

■ Enhanced computing power

The increase in computing power has enabled the training of more complex models, driving innovation.

■ Abundant data availability

The exponential growth of data has provided a rich resource for AI development and training.

■ Accessible APIs for developers

APIs have made it easier for developers to integrate advanced AI functionalities into their applications.

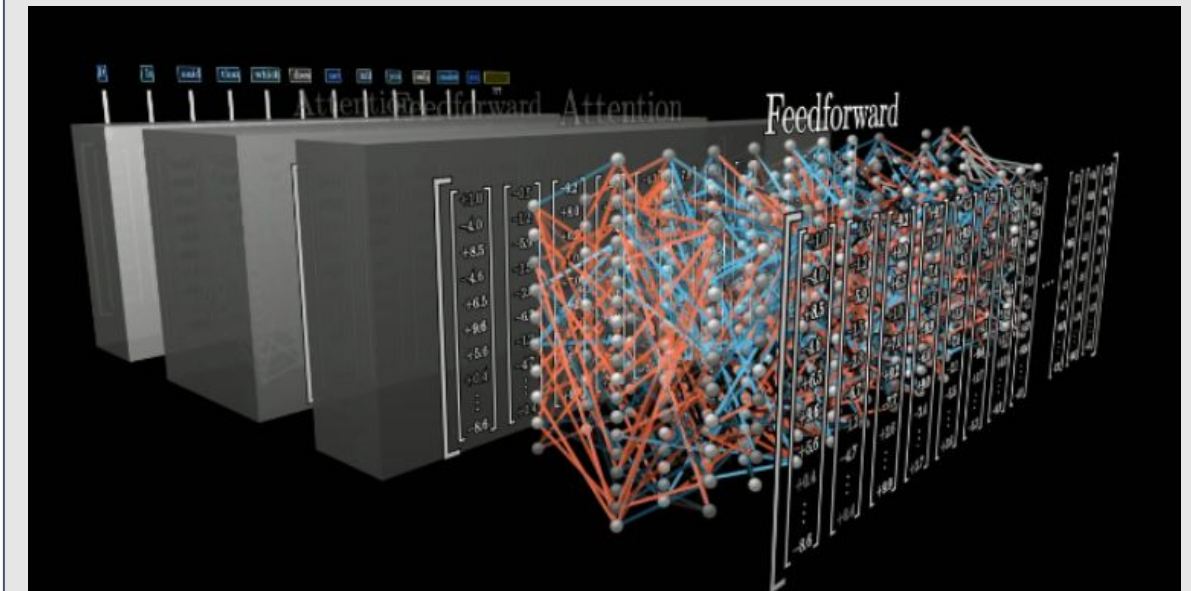
■ Increased business awareness

Businesses are now more aware of how AI can create significant value and improve operations.

■ Exponential user adoption

ChatGPT reached 100M users in just 2 months, showcasing the rapid acceptance of AI technologies.

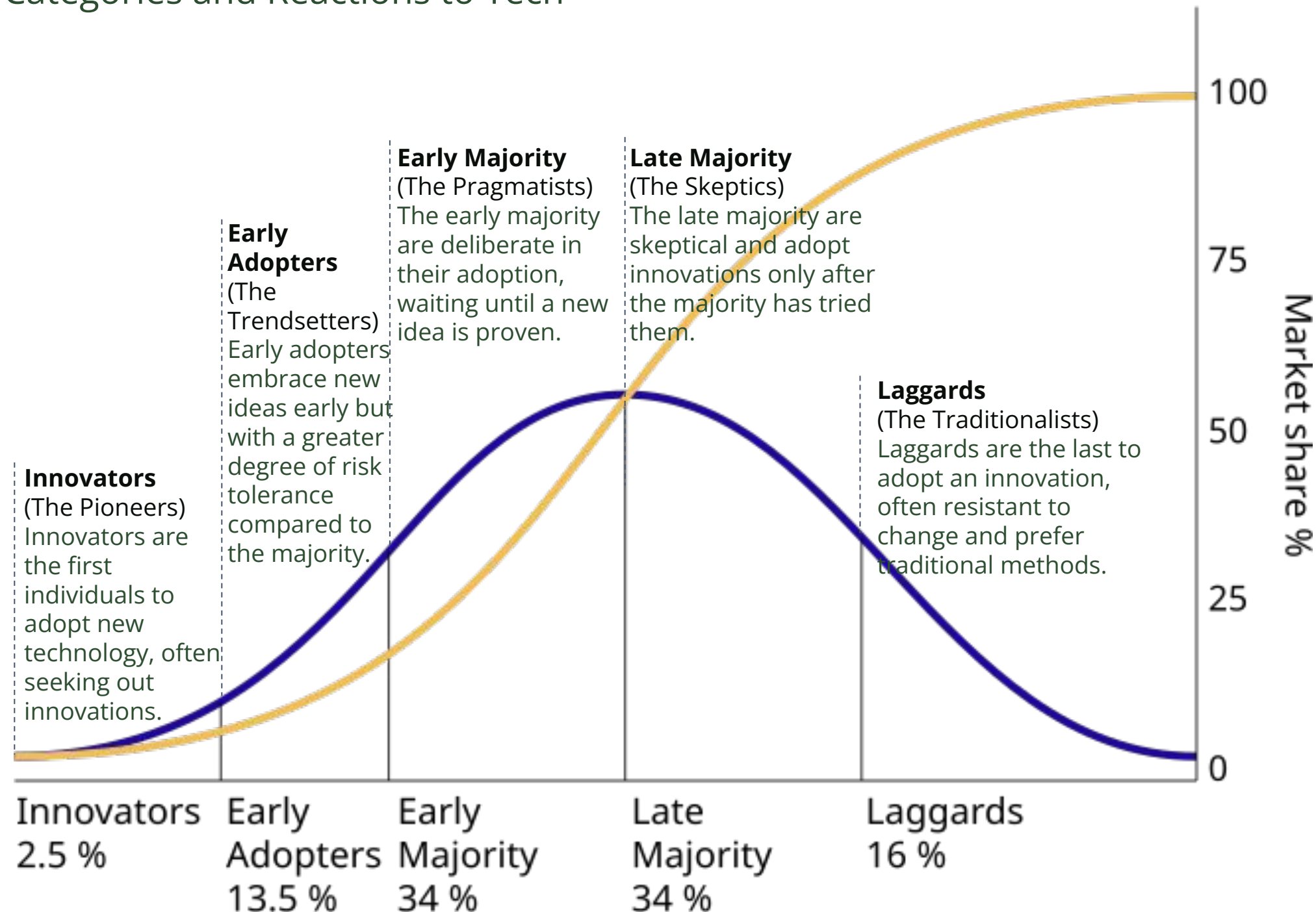
Large Language Models (LLMs) for Beginners
By 3Blue1Brown



<https://youtu.be/LPZh9BOjkOs?si=MNys201tv6Va9-2>

Understanding the Diffusion of Innovation

Exploring Adopter Categories and Reactions to Tech



Source: https://en.wikipedia.org/wiki/Diffusion_of_innovations

Human Reactions to Technology

Responses to new technology can include fear, skepticism, and excitement, influencing adoption.

Identifying Your Position

Understanding where you and your team fit on the curve can guide tech adoption strategies.

The Rapid Evolution of Work Dynamics

Understanding the Impact of AI on Job Roles

■ **AI is redefining roles, not just tasks**

Artificial Intelligence is shifting how we approach job responsibilities, focusing on enhancing roles rather than simple task automation.

■ **Impact across various sectors**

Industries like Marketing, Finance, Customer Service, and Operations are witnessing significant changes due to AI integration.

■ **Predicted dominance of AI-native workflows**

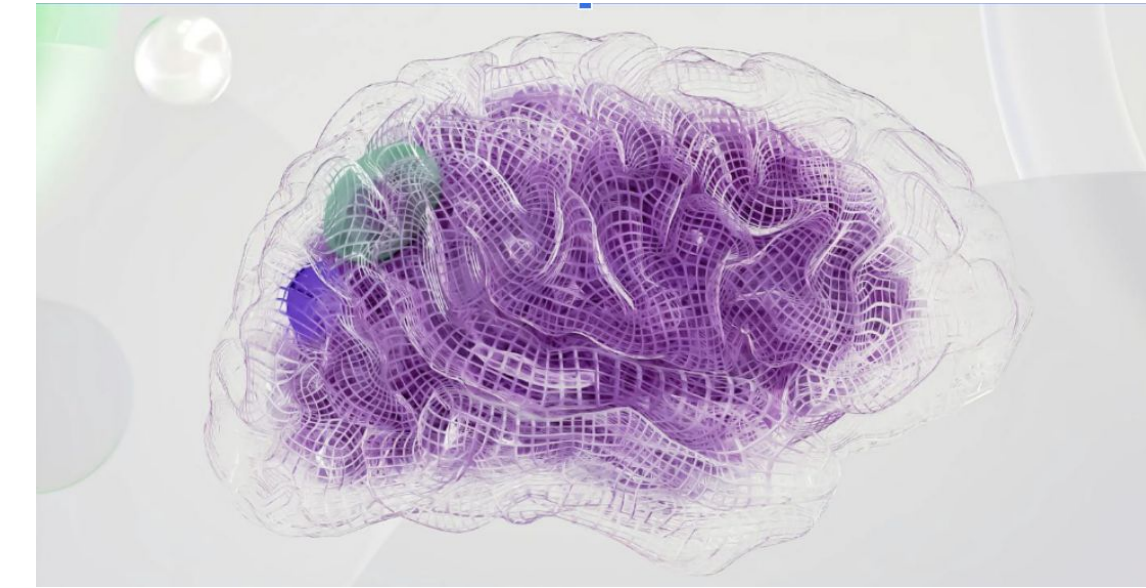
In just two years, workflows designed around AI capabilities are expected to become the standard in workplaces.

■ **Quote on the importance of adaptation**

“Those who ignore AI may still have a job—just not the same one.” This emphasizes the need for adaptation in an AI-driven landscape.

Prompt Engineering – The New Power Skill

Understanding the Significance of AI Instructions



■ What is Prompt Engineering?

It involves creating precise and effective instructions for AI systems to understand and execute tasks.

■ Importance in Various Roles

Every professional can benefit from mastering prompt engineering, enhancing communication with AI tools.

■ Strategic, Not Just Technical

It's about developing a strategic mindset to leverage AI capabilities rather than just technical skills.

■ Enhancing Productivity

Effective prompts can significantly increase productivity by reducing misunderstandings in AI interactions.

■ Driving Innovation

Prompt engineering fosters innovation by enabling users to explore new possibilities with AI.

■ Improving AI Outcomes

Well-crafted prompts lead to better outputs from AI, ensuring that the technology serves user needs effectively.

■ Building Collaboration Skills

It enhances teamwork as professionals learn to collaborate with AI, blending human creativity with machine efficiency.

Prompt Engineering – Hands On

These exercises are for a Copilot Ent. subscription - You should be able to adapt them to other GenAI models.

■ I. How to 10x the quality of output? (Persona, Context, Tone, Constraints)

Effective use of GenAI has 2 sides of the coin: 1) The training data and the reinforcement learning and 2) The quality of the prompt to quiz the model

■ II. Content generation and the importance of your tone

How to generate content for marketing, emails, blogs, and similar. How to extend the model by training it on your own tone of voice and experience.

■ III. Having fun with Image Generation

Overview of the image generation model available and playing with sample prompts to create amazing graphics, stories, and even comics.



The Full Prompt Engineering Class

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REGISTER - LIMITED TO 15 SEATS ONLY: <https://lifelonglearning.ncsu.edu/ai-prompt-engineering/>



Thank You
Q&A

