Artificial Intelligence & Appellate Law

UT State & Federal Appeals CLE, June 7, 2024

Midjourney – "abstract art inspired by streams of data flowing in and out of a courthouse, low angle, digital art, dramatic lighting, bright and cheery"

1

Introductions

Parker Hancock
Senior Associate, Baker Botts, L.L.P.

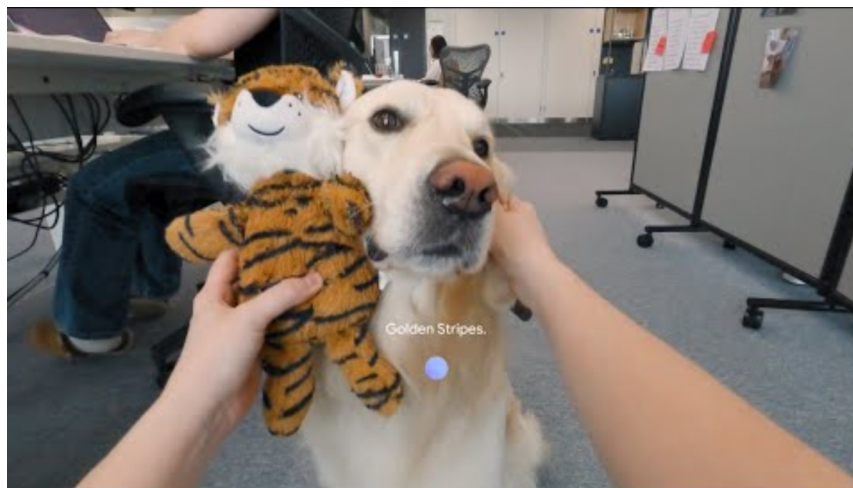**Peter Hansen**
Senior Counsel, Jackson Walker, L.L.P.

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What is Artificial Intelligence?

"Anything that's invented between when you're fifteen and thirty-five is new and exciting and revolutionary and you can probably get a career in it.

Anything invented after you're thirty-five is against the natural order of things."

- Douglas Adams

Midjourney – "digital abstract art inspired by neural networks and machine learning"

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Where are we in AI today?

Advanced, Multi-Modal, Large Language Models

Golden Stripes.

BAKER BOTTS

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4

Why do we care?

Large Language Models Could Pass the MBE

GPT-4 Passes the Bar Exam

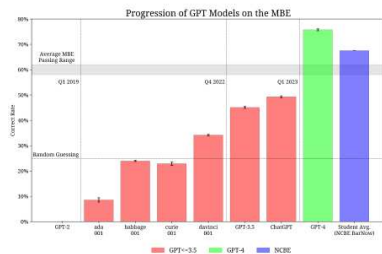Daniel Martin Katz[1,2,3,4,*], Michael James Bommarito[1,2,3,4], Shang Gao[5], and Pablo David Arredondo[2,5]

Figure 1. Progression of Recent GPT Models on the Multistate Bar Exam (MBE)

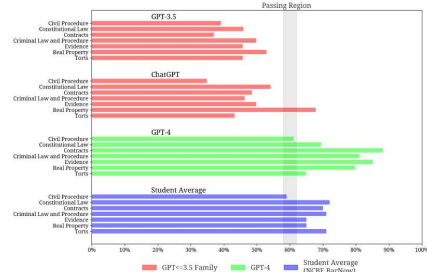**Figure 2.** Progression of Recent GPT Models by Legal Subject Area
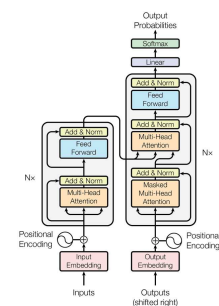
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What is a Language Model?

Foundations of Language Modeling

- A **Language Model** is a neural network that is:
  - **Pre-Trained** on a large body of unstructured text;
  - **Fine-Tuned** to perform a specific task; **Training**
  - **Prompted** with a request;
  - **Provided** with information relevant to the request; and **Inference**
  - **Answers** the request by generating text or other information.

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[AI and Appeals: Current Techniques, Ethical Issues, and Future Considerations](#)

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"AI and Appeals: Current Techniques, Ethical Issues, and Future Considerations"