



Legal Tech and Artificial Intelligence The Good Bad and the Ugly

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Legal Tech History



Legal Technology Through the Years

1980's:
WordPerfect
era

1990:
Microsoft
Office

1990:
LexisNexis
100,000
searches

1992:
AOL for
Windows



1995: O.J.
Simpson Trial



1996:
Trial Director
& Sanction

1996:
TimeSlips

Legal Technology Through the Years

2000:
Y2K Scare



2003:
Zubulake v.
UBS Warburg

2005:
E-Discovery
FRCP
Changes

2007:
Apple iPhone



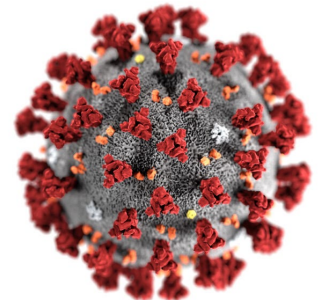
2010:
iPad



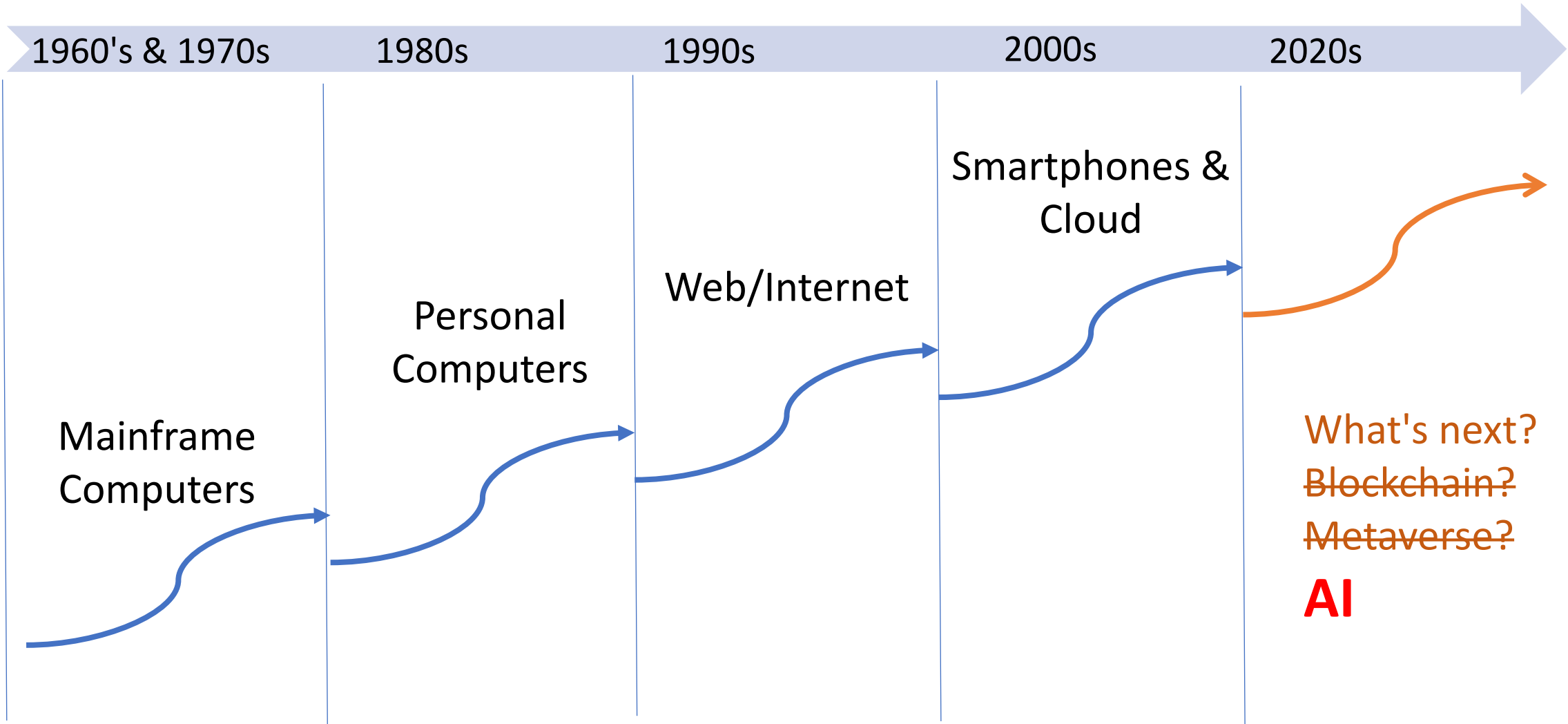
2012:
ABA
Technical
Competence

2016:
Panama
Papers
Scandal

2020:
Covid-19
Pandemic



Tech Life Cycles 1970-Current



The Next Frontier: Generative AI?



History of AI



What is
Generative AI?



Practical Use
Cases Today



Legal Industry
Use Cases

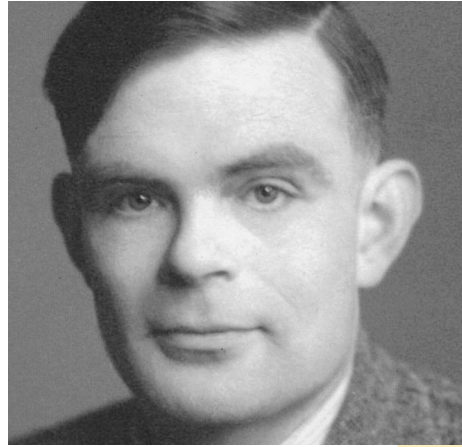


Good, Bad and
Ugly



Really Cool
Examples

AI History



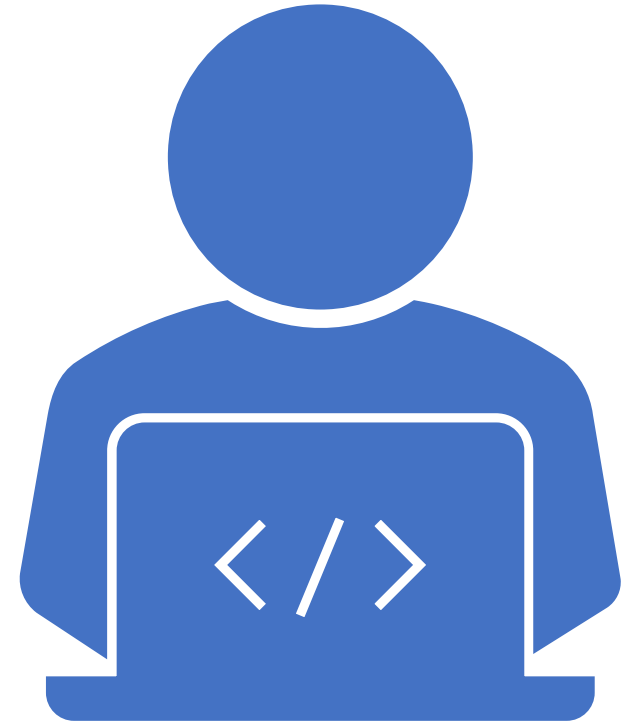
1950: Alan Turing publishes
“Computing Machinery and
Intelligence”

- "I propose to consider the question, 'Can machines think?'"
- Proposes “Turing Test”



AI History

- 1956: Dartmouth Conference
 - AI defined: “the science and engineering of making intelligent machines”
- 1966: Shakey the Robot
- 1970s: “AI Winter”
- 1980s: Expert Systems
 - Carnegie Mellon University: XCON
- 1986: Machine Learning and Neural Networks



From the Lab to Pop Culture

1997: IBM's Deep Blue became first computer to beat a chess world champion, Garry Kasparov.

Symbolic breakthrough for artificial intelligence

Superiority of machine over human.



AI Progress in the 2000s

- AI powered by massive data storage capabilities
- Natural Language Processing (NLP) evolution
- Robotics and AI integration
- 2010: IBM's Watson





Generative AI: Game Changer ?

- Generative AI: Type of AI where machine creates **new, original content** rather than just analyzing existing information and responding to user inputs.
- Built on generative adversarial networks (GAN) to create new content
- Learns patterns from massive training data
- Shift toward creative, autonomous systems

CHATGPT



- OpenAI: San Francisco AI Lab (est. 2015)
- Generative Pre-trained Transformer (GPT) LLM
- Machine learning model
- Trained on large dataset
- Generates human-like text
- Microsoft investment (\$10B+)
- Incorporated into Bing search engine
- Try it at: chat.openai.com

New Bing

- Microsoft new search engine
- Powered by ChatGPT
- Responds to queries with answers (not URL links)
- Can ask follow-up questions
- Conversational
- Works in Microsoft Edge browser
- [Bing.com/new](https://bing.com/new)

Create a 3-course menu.

Help plan my special anniversary trip.

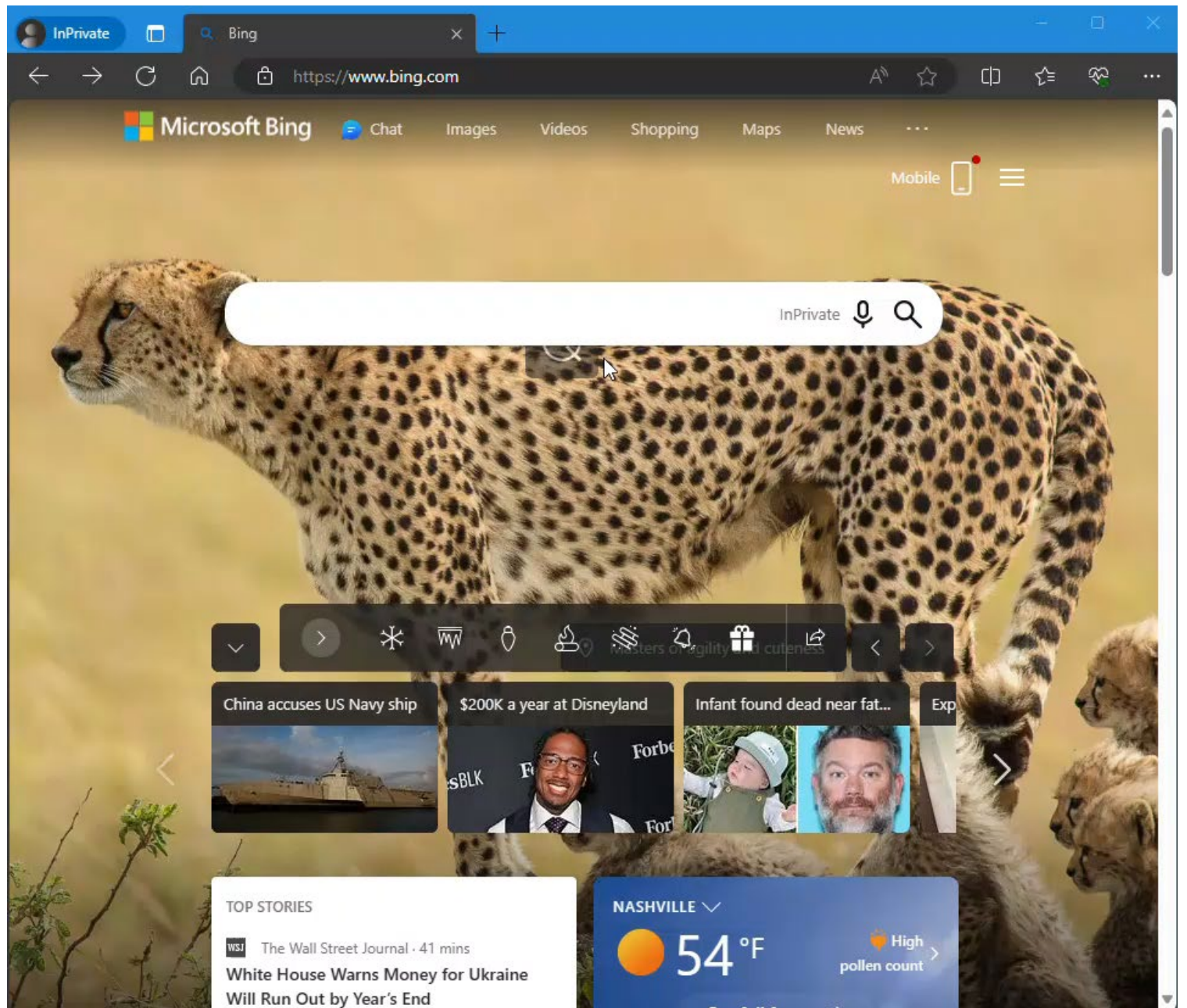
What art ideas can I do with my kid?

Can you help me get fit?

Write a rhyming poem.

Help me plan for my fishing trip.

Legacy Search



ChatGPT Search

The screenshot displays the Bing Chat interface. At the top, the Microsoft Bing logo and navigation options (SEARCH, CHAT) are visible. The main heading reads "Bing is your AI-powered copilot for the web". Below this, there are several interactive cards for different tasks: "Create" (writing an essay), "Code" (creating a website), "Organize" (organizing data), "Laugh" (starting a joke), "Write" (summarizing research), "Chat" (asking questions), and "Shop" (finding products). A "Recent activity" sidebar on the right lists previous searches. At the bottom, there are options to "Choose a conversation style" (Creative, Balanced, Precise) and a "New topic" button. The main chat input area contains the placeholder text "Ask me anything..." and a character count of "0/2000".

Microsoft Bing SEARCH CHAT Phillip 20137 Mobile

Bing is your AI-powered copilot for the web

- Create**: Write a short essay that analyzes the merits of universal basic income
- Code**: Create a personal website using HTML/JavaScript/CSS with my biography, resume, and contact details
- Organize**: Organize the world's tallest trees into a table by habitat
- Laugh**: Start a knock-knock joke
- Write**: Summarize the main points of the latest research on AI
- Chat**: Why do people fly in their dreams?
- Shop**: What are some popular children's clothing brands?

Recent activity

- Planning a Trip to Nashville 11:51 AM
- Microsoft's Investment in 11:49 AM
- Google Assistant 11:27 AM
- Lifeline Timer App 5 days ago
- Lifeline Timer App 5 days ago
- WW. Nov 16, 2023
- Tech Gadgets of 2023 Nov 10, 2023
- Cool Tech Gadgets from Nov 10, 2023

See all recent chats

Bing is powered by AI, so surprises and mistakes are possible. Please share feedback so we can improve! Terms Privacy

Choose a conversation style

- More Creative
- More Balanced**
- More Precise

New topic Ask me anything... 0/2000 Feedback

~~Google
Bard~~

GEMINI

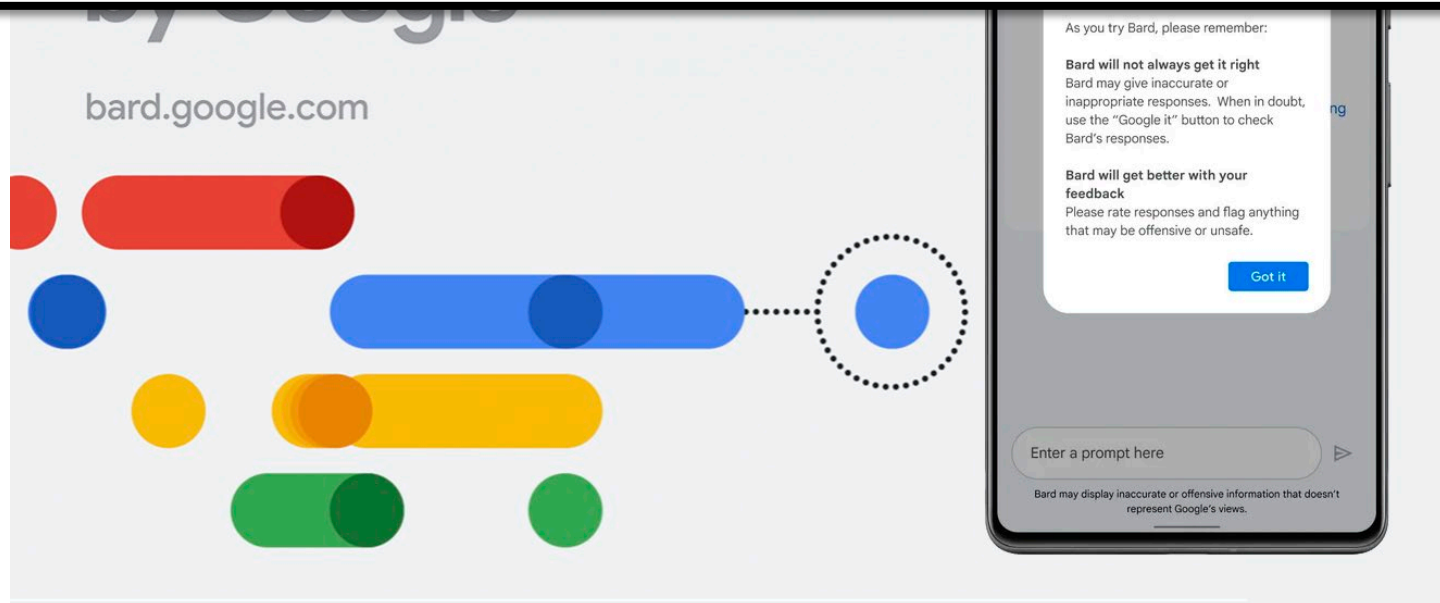
Bard becomes Gemini: Try Ultra 1.0 and a new mobile app today

Feb 08, 2024

5 min read



Bard is now known as Gemini, and we're rolling out a mobile app and Gemini Advanced with Ultra 1.0.


- Google's AI chatbot
- Introduced Feb 2023
- Powered by Google's own language model
- Conversational
- Experimental
- Open to general public
- Bard.google.com





Bard Example

P Who is Judge Eric E. Murphy

View other drafts  

 Eric E. Murphy is a relatively young and conservative judge on the United States Court of Appeals for the Sixth Circuit. He was appointed to the court in 2019 by President Donald Trump.



 fedsoc.org

Judge Eric E. Murphy

Murphy is a graduate of Miami University and the University of Chicago Law School. Before his appointment to the Sixth Circuit, he worked in private practice and as the Solicitor General of Ohio.

As a judge, Murphy has been described as a textualist. This means that he believes that judges should interpret the law based on its original meaning, as determined by the text of the Constitution and statutes. He has also been praised for his work ethic and intellect.

Murphy has ruled on a wide range of issues, including environmental law, criminal law, and campaign finance. He is considered to be a potential future nominee for the Supreme Court.

Bard Example

Here is a more detailed breakdown of Murphy's judicial philosophy:

- **Textualism:** As mentioned above, Murphy believes that judges should interpret the law based on its original meaning. This means that he looks to the text of the Constitution and statutes to determine their meaning, and he is reluctant to consider other factors, such as legislative history or policy consequences.
- **Originalism:** Murphy is also an originalist. This means that he believes that the Constitution should be interpreted as the Framers understood it. He is skeptical of arguments that the Constitution is a living document that can be interpreted to mean different things in different times.

Federalism: Murphy is a strong believer in federalism. This means that he believes that the federal government should have limited power and that most power should be reserved for the states. He has ruled in favor of states' rights in a number of cases.

Judicial restraint: Murphy is a judicial restraint. This means that he believes that judges should defer to the decisions of the legislature and the executive branch. He is reluctant to strike down laws or overturn government actions.

Murphy's judicial philosophy is likely to shape his decisions on the Sixth Circuit for many years to come. He is a right and conservative judge who is likely to be a reliable vote for the right wing of the court.

Check completed • [Understand the results](#)



Understand the results

Click a highlighted statement to learn more. Here's what the colors and labels mean:

Google Search found content that's likely similar to the statement.

A link is provided, but it's not necessarily what Bard used to generate its response.

Google Search found content that's likely different from the statement, or it didn't find relevant content.

A link is provided, if available.

Non-highlighted text

There's not enough information to evaluate these statements or they aren't intended to convey factual information. Currently, Bard skips content in tables and code.

Text Content Creation

- ChatGPT(OpenAI)
- Claude.AI (Anthropic)
- Jasper.AI (Anthropic)
- Copy.ai
- QuillBot.com

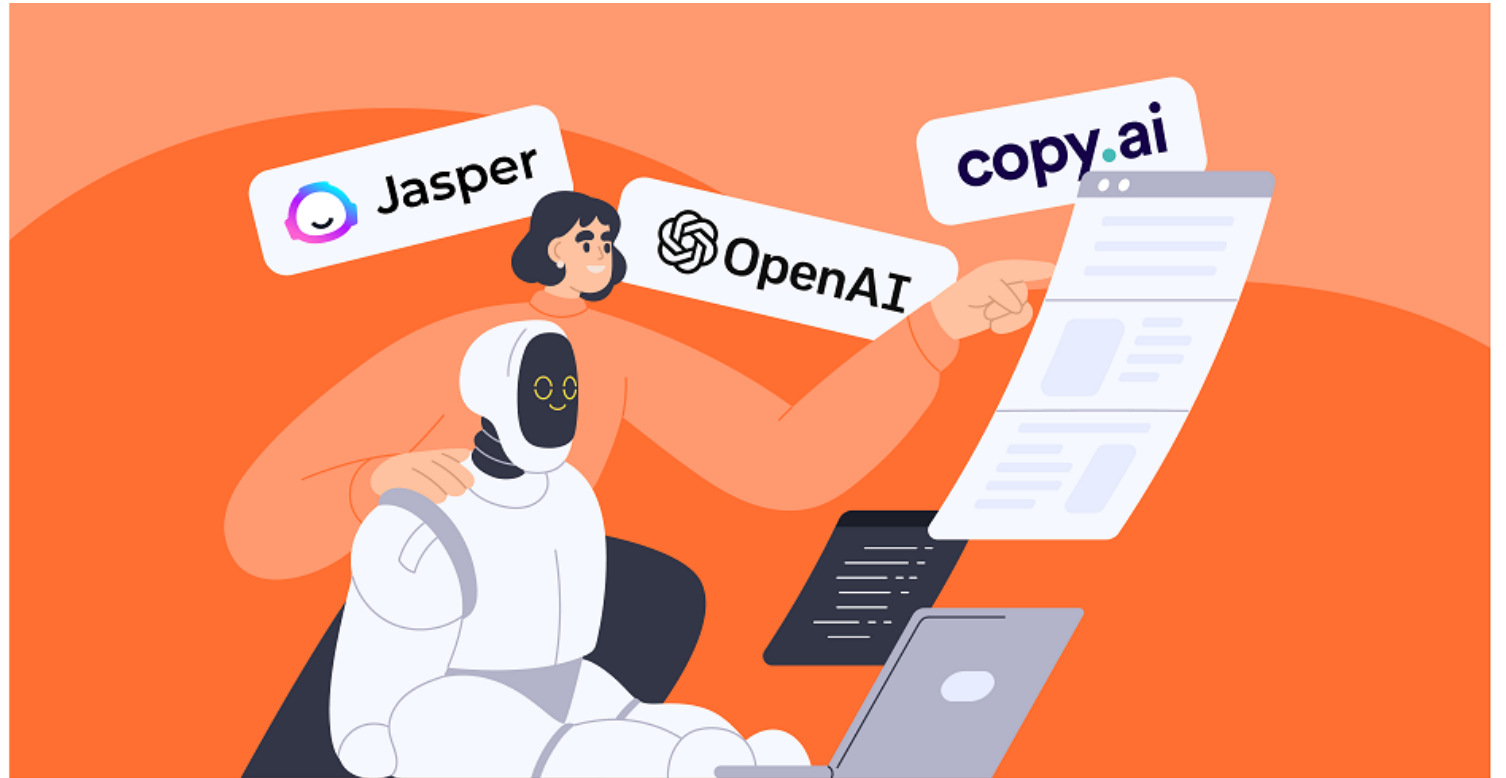


Image Generators (DALL-E2)

- OpenAI system
- Creates realistic images/art from text input
- Pay per rendering
- Marketing
- [Openai.com/dall-e-2](https://openai.com/dall-e-2)



A photo of a teddy bear on a skateboard in
Times Square

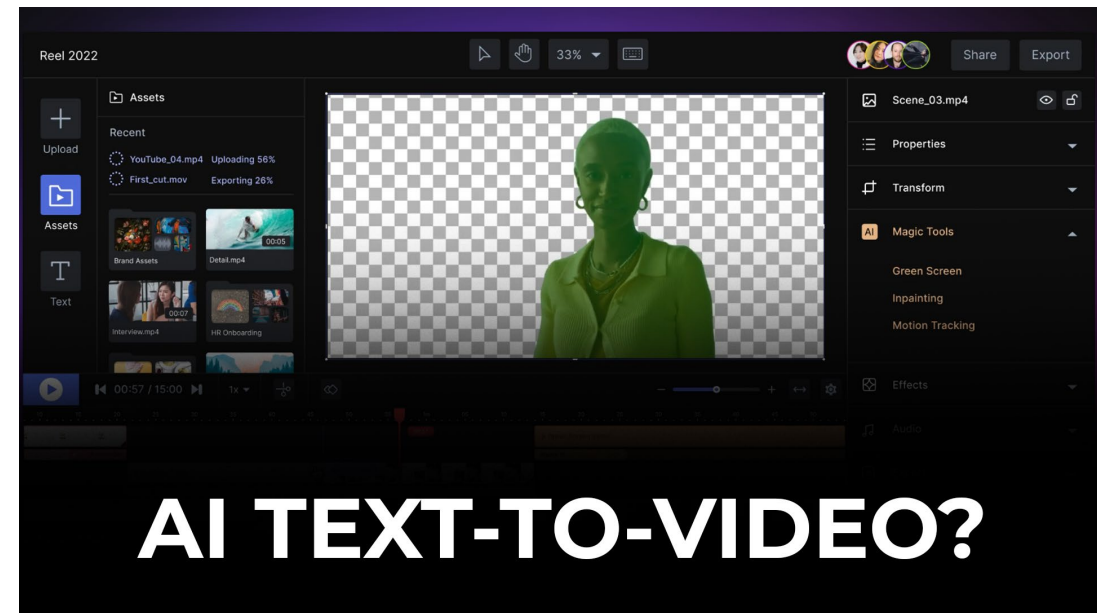
Image Generators

- Canva.com
- Firefly.Adobe.com
- Midjourney.com
- Use Cases
 - Graphic design aid
 - Logos
 - Scientific diagrams
 - Art creation



Text-to-Video Generation

- AI engine generates unique video from textual description input
- Runwayml.com
- Peech-ai.com (marketing content)
- Fliki.ai (social media videos)
- Visla.us (script to video)



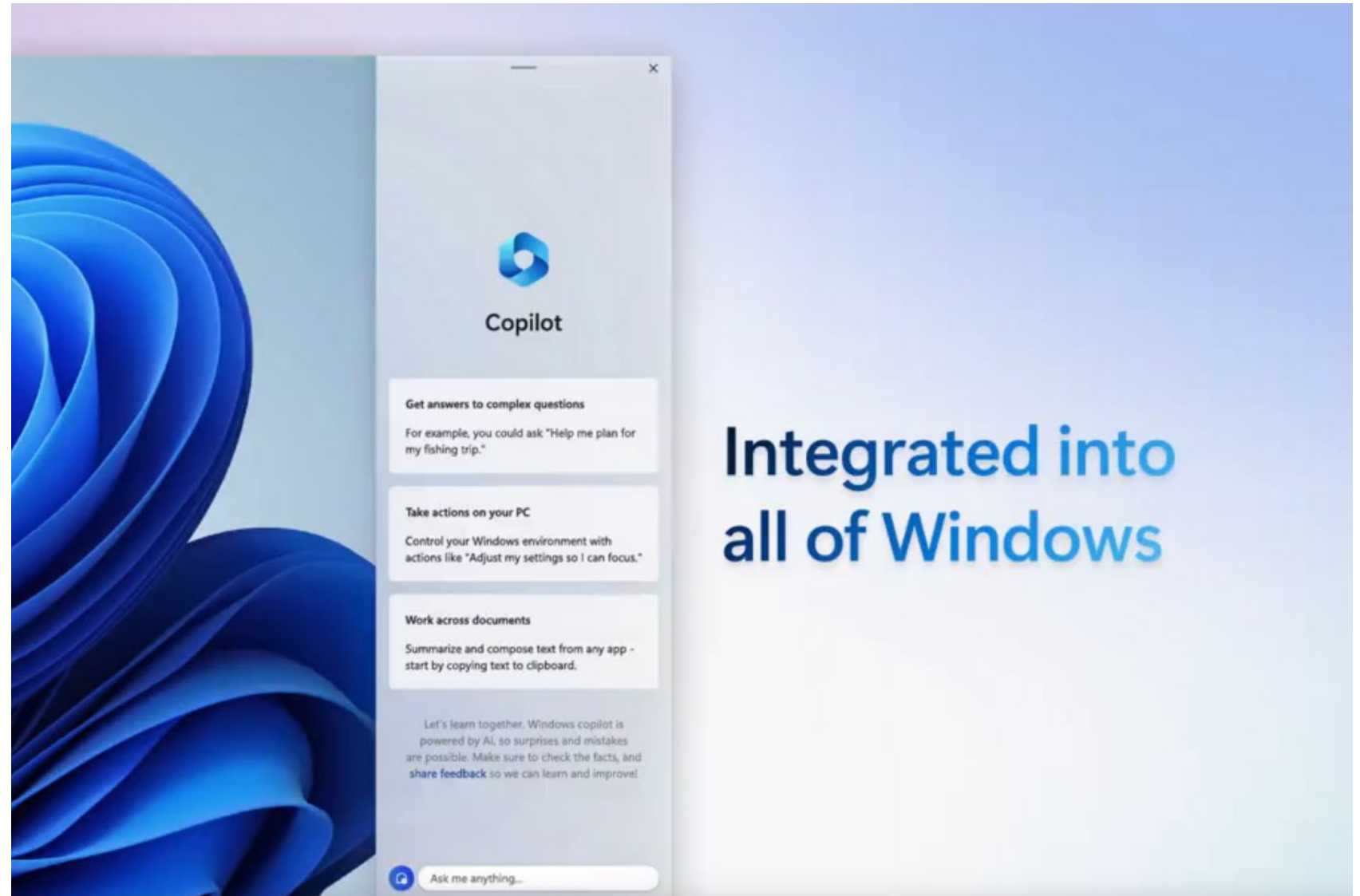


Other Use Cases

- GitHub CoPilot
 - AI generated programming code
- MusicLM (Google)
 - AI model for music generation
- Image to Video Generators
 - FlexClip
 - HeyGen

Integration in Existing Products

Microsoft
Windows
Co-Pilot



Microsoft 365 Co-Pilot



Microsoft 365 Co-Pilot Example

ABA Techshow 2024: The Future of Legal Technology

A preview of the upcoming conference for lawyers and legal professionals

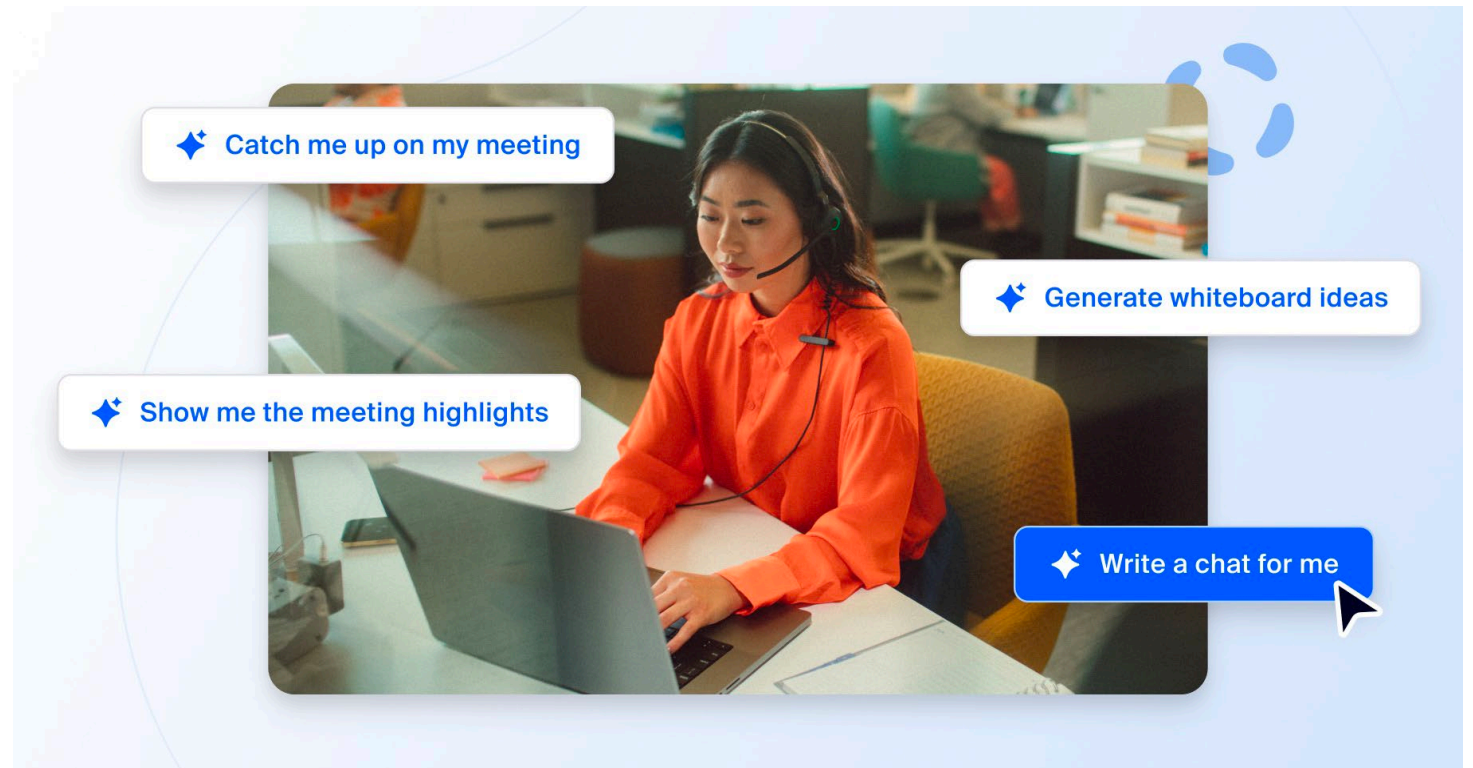
The ABA Techshow is the premier event for lawyers and legal professionals who want to learn about the latest trends, tools, and best practices in legal technology. The next edition of the ABA Techshow will take place on **March 13-16, 2024**, at the Hyatt Regency Chicago, and will feature more than 100 educational sessions, workshops, and networking opportunities.

What to Expect at the ABA Techshow 2024

The ABA Techshow 2024 will cover a wide range of topics related to legal technology, such as artificial intelligence, blockchain, cybersecurity, e-discovery, cloud computing, social media, and more. The conference will also showcase the latest products and services from more than 150 exhibitors, including software developers, hardware manufacturers, consultants, and vendors. Attendees will have the chance to interact with the exhibitors, see live demonstrations, and get hands-on experience with the latest innovations.

Other Product Integrations

- Zoom AI Companion
- Salesforce Einstein
- Slack (Slackbot)
- Adobe Sensei
- Google Workspace



Use by Lawyers



Legal Use Cases

Automated
Document/E-
mail Creation

Contract
Drafting and
Review

Legal Research

Case
Prediction

Due Diligence
and
Compliance

Discovery

Litigation
Strategy

But First!!!

ABA Formal
Opinion 512

Stephen
Christopher
Article

ABA FORMAL OPINION 512

Competence

- Understand capabilities and limitations

Confidentiality issues

- Rule 1.6
- Understand the tool you are using

Communication

- Disclosure of use of Gen AI

ABA FORMAL OPINION 512

Candor

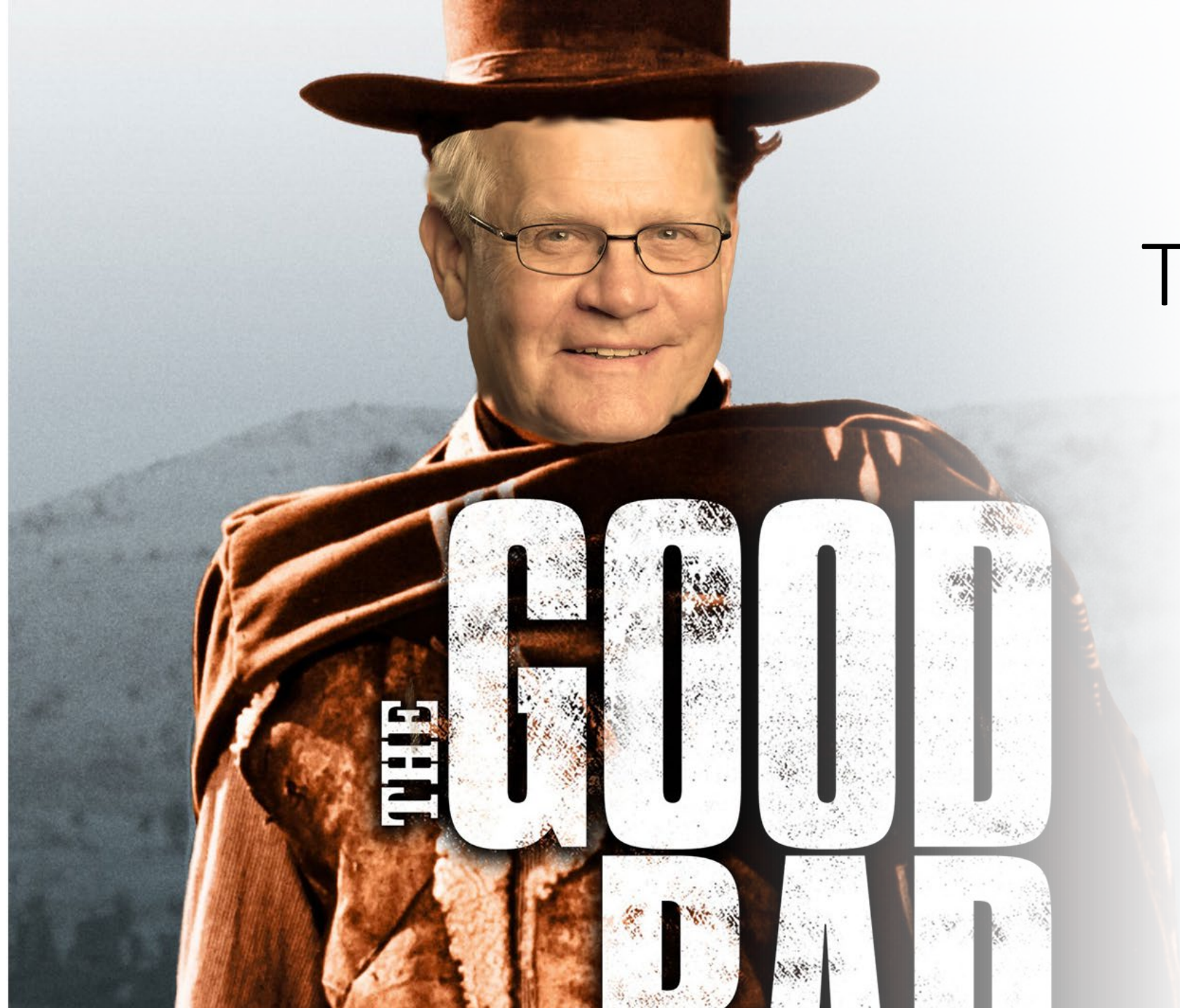
- Rules 3.1, 3.3 and 8.4(c)
- Hallucinations
- Some courts require disclosure

Supervisory Responsibility

- Rules 5.1 and 5.3
- Establish policies and know how your folks are using

Fees

- Should inform your client
- How do you charge for using?



The Good ?

Legal Research Applications

- Westlaw Edge
- Lexis+
- Vincent AI
- Harvey AI



Thomson Reuters launches generative AI tools for legal research

Thomson Reuters' AI legal research tools take questions in natural language, synthesize answers

By Eric Revell | FOXBusiness |



Market Futures

Quote Lookup <input type="text"/>	
DOW JONES FUTURES (I:DJI)	
38,096.00	
▲ +7.00 (+0.02%)	
NASDAQ FUTURES (I:COMPX)	
17,582.75	
▲ +51.50 (+0.29%)	
S&P 500 FUTURES (INX)	
4,904.25	
▲ +9.25 (+0.19%)	Market Update sponsored by

We will see massive innovation in artificial intelligence: C3.ai CEO

Tom Siebel provides insight on the powerful technology on "The Claman Countdown."

Lexis+ AI™


Introducing Protégé™

Your Personalized Legal AI Assistant

Lexis+ AI delivers trusted AI informed by your firm documents and authoritative LexisNexis content backed by *Shepard's*® Citation Validation. Search, draft, summarize, and analyze using the fastest legal generative AI uniquely tailored to you, wherever you work.

- AI search that interacts
- AI that drafts documents
- AI that summarizes
- AI that analyzes

Co-Counsel

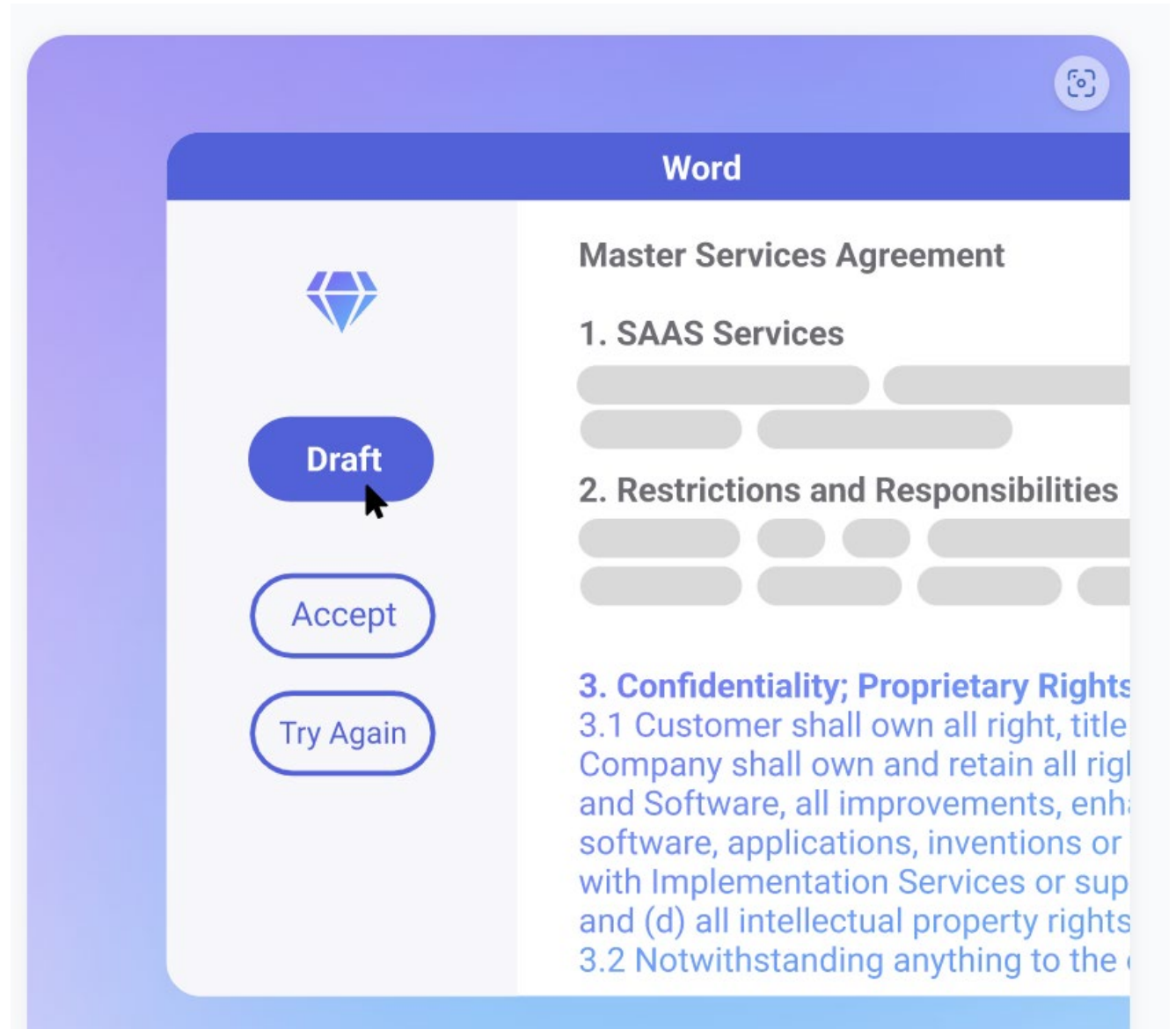


Meet CoCounsel—the world's
first AI legal assistant

- AI legal assistant
- Designed to perform
 - Legal research
 - memo drafting
 - Deposition preparation
 - Document review
 - Contract analysis
- Powered by OpenAI
- **Now owned by Thomson Reuters**
- Good? Or Bad?

Spellbook

- AI contract drafting tool
- Uses OpenAI's GPT-3
- Review and suggest contract wording
- Trained on billions of lines of legal text
- Instantly create new clauses and entire sections based on context
- Spellbook.legal



LAWDROID COPILOT

Research a legal issue

5:24 PM

Please describe to me the legal issue you would like me to research.
Remember to give me the jurisdiction and as much detail as possible.

5:24 PM

What is the leading case on privacy in the United States?

5:24 PM

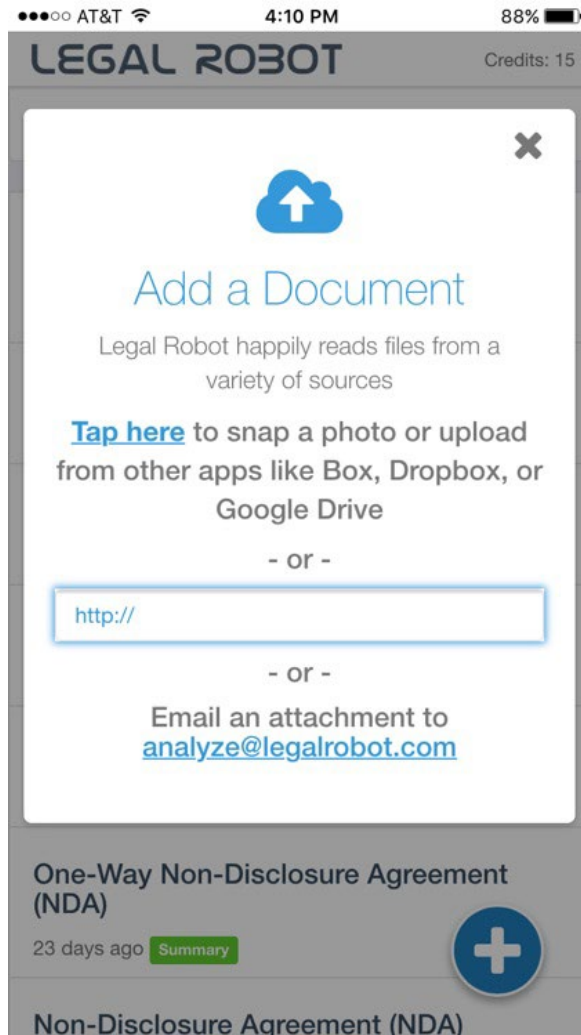
The leading case on privacy in the United States is the Supreme Court case of *Griswold v. Connecticut* (1965). This case established the right to privacy as a fundamental right under the Constitution. It held that the Constitution protects the right of individuals to make decisions about their personal lives without interference from the government.

Ask your question...

LawDroid



- AI legal assistant
- Research legal issues
- Help with drafting emails & letters
- Summarize documents
- Lawdroid.com



Legal Robot

- Contract analytics
- Trained on English language contracts in U.S., Canada, U.K., Australia
- Legalese to plain language translation
- Compliance tools
- Legalrobot.com

AskblueJ

- Generative AI for tax research
- Trained on massive tax content library
- Data updated daily
- Results supported by relevant sources
- [Bluej.com/ask](https://bluej.com/ask)



How do I determine whether the Corporate Alternative Minimum Tax applies to a corporation?

J Section 55 of the IRC imposes a corporate alternative minimum tax (CAMT) on an applicable corporation based on its adjusted financial statement income (AFSI). In general, an applicable corporation is a corporation that has an ...





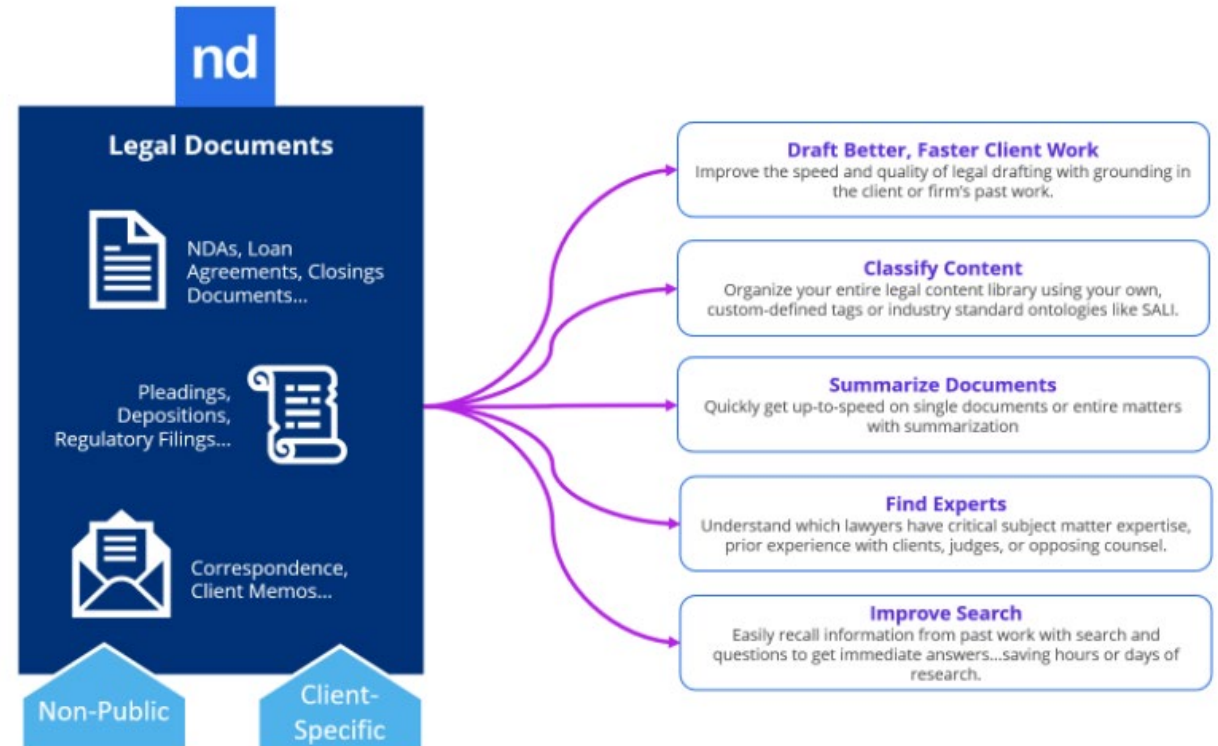
AMERICAN
IMMIGRATION
LAWYERS
ASSOCIATION

Developed by
Greg Siskind

- For immigration lawyers
- Legal Research
- Private and Secure
- “Small language Model”

Net Documents ndMAX

- Generative AI capability embedded in NetDocs
- Organize automations by group
- Generate new content based on internal precedents
- Compare third-party contracts against firm's clause & best practices
- Instantly summarize documents
- Natural language query of documents
- [Netdocuments.com/ndmax](https://netdocuments.com/ndmax)



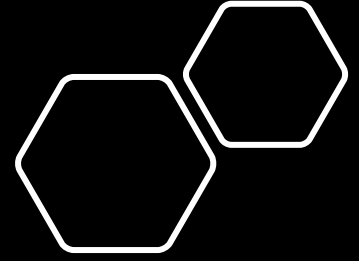
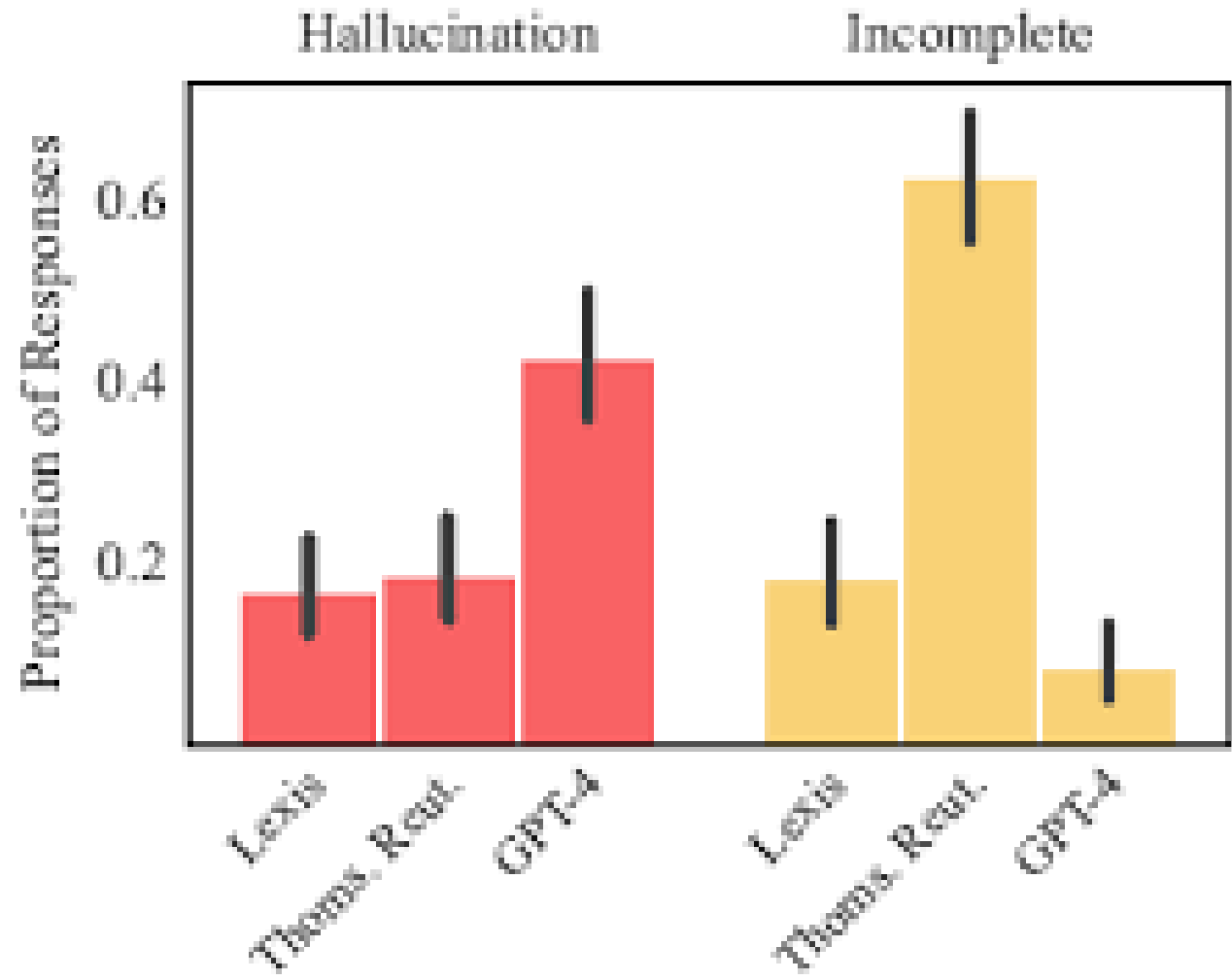
The Bad ?





LEGAL AI UNDER THE MICROSCOPE: STANFORD HAI'S IN-DEPTH ANALYSIS OF LEXIS AND WESTLAW TOOL

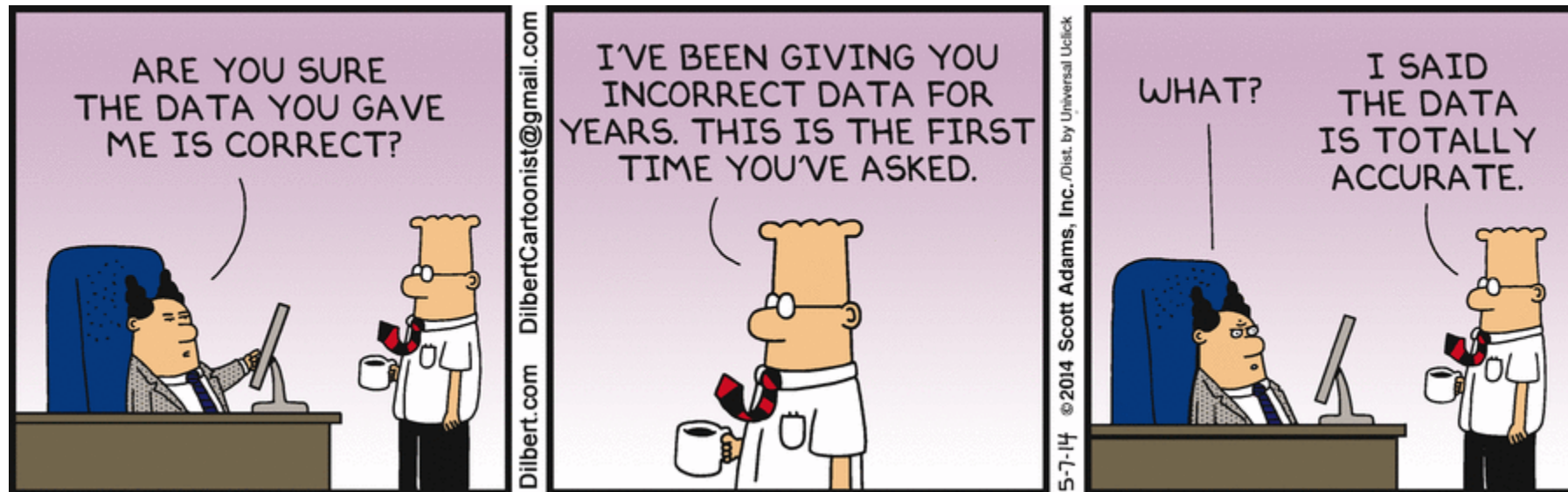
Stanford University Study



Inherent Bias

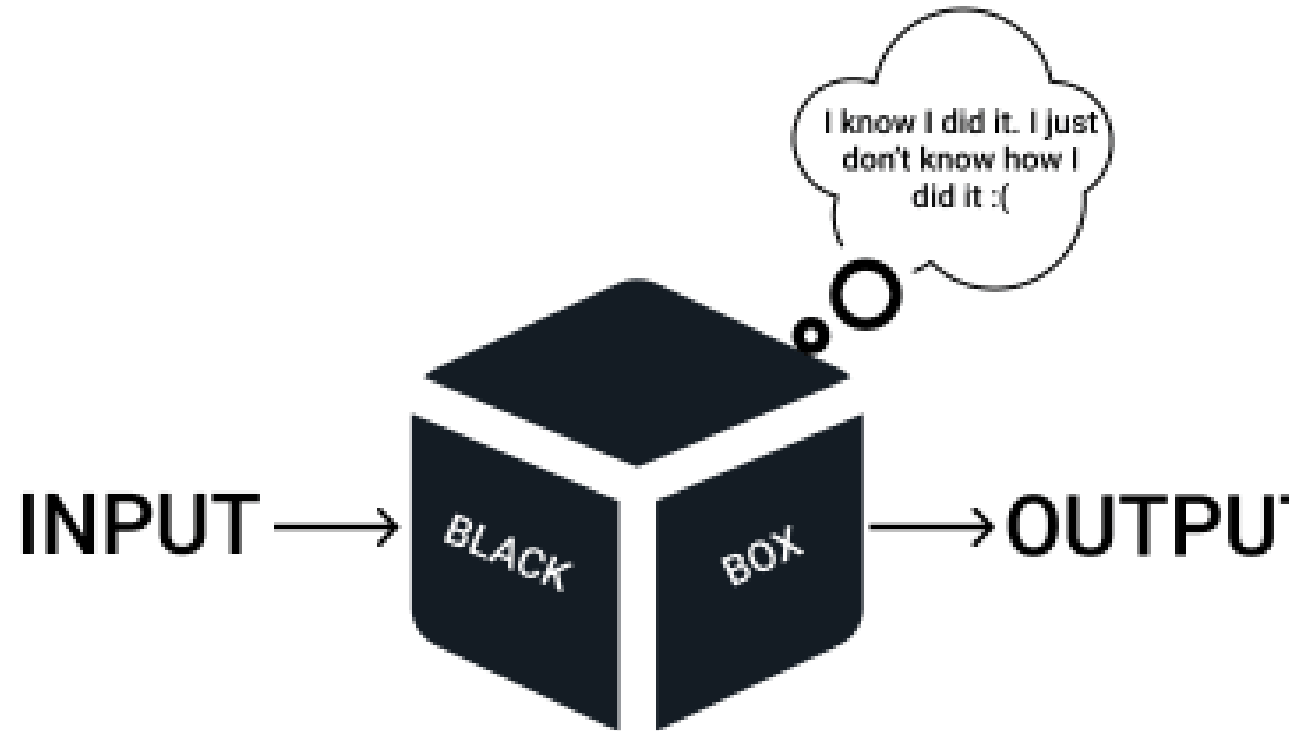
User Prompt: "Describe a programmer."

Biased Model Output: "A programmer is typically a male individual who spends long hours coding in isolation."



Lack of Transparency

- Opaque Decision Making
- Limited Model Explainability
- Potential for Misuse
- Difficulty in Debugging and Improvement



Happy



Sad



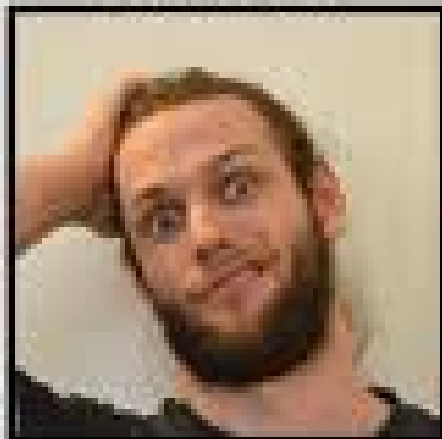
Angry



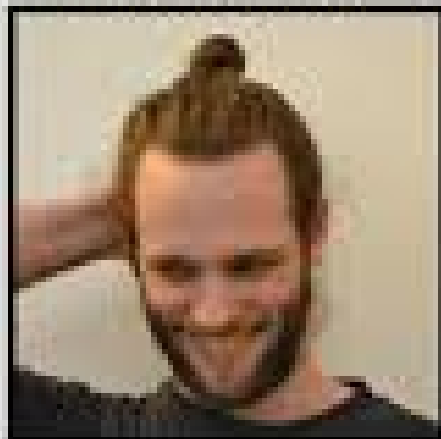
Scared



Confused

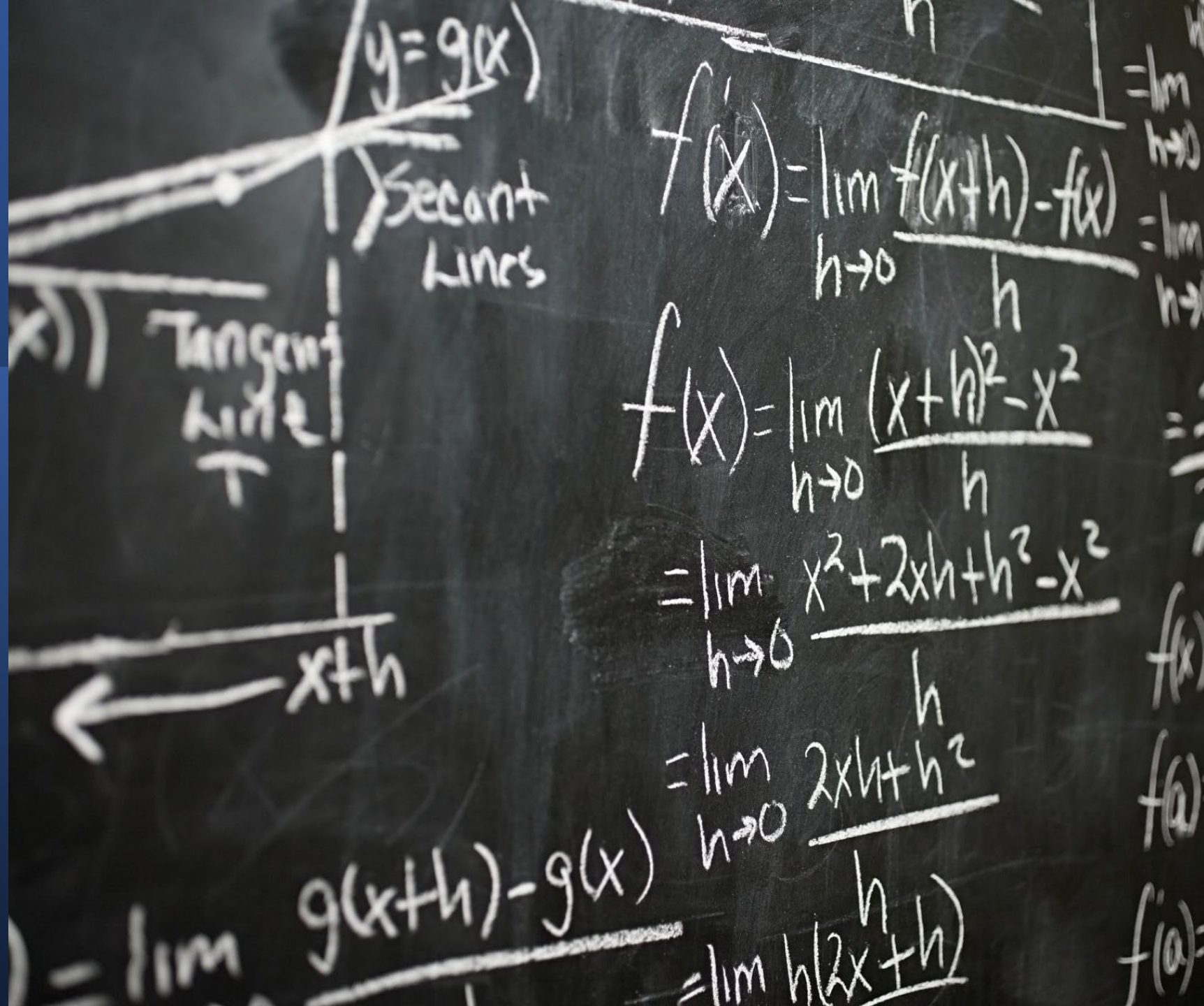


Embarrassed



No emotion
or creativity

Cannot
perform high-
end math



More
Bad

- Privacy Protection
- Intellectual Property Attribution
- Job Loss Fears
- Over-reliance on Automated Outputs



The Ugly

PH

You

can you generate an image of an older lawyer getting mad at technology



ChatGPT



Rabbit R1

- Universal controller for apps
- AI-enabled Rabbit OS
- iPhone killer??
- \$199
- Available for pre-order
- Rabbit.tech



Limitless Pendant

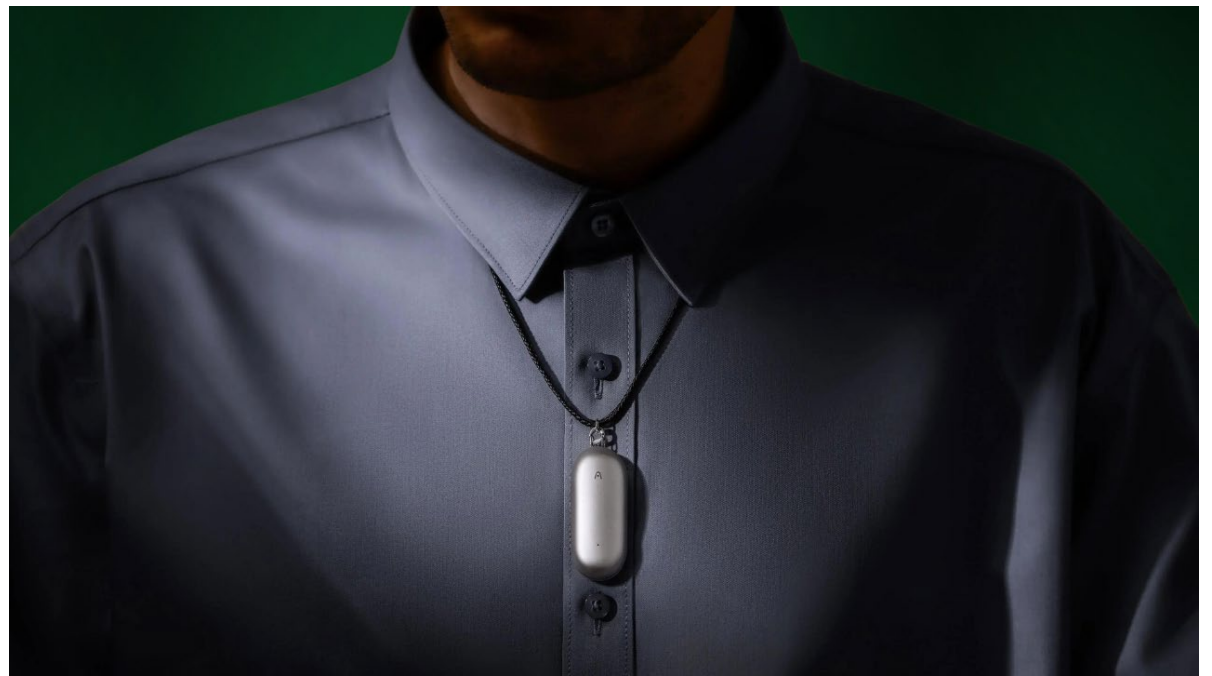
- Records meetings
- Will not record until the other speaker agrees
- Records all meetings and summarizes
- Helps prepare for meetings
- \$99
- [Limitless.ai](https://limitless.ai)



Plaud Note

Plaud NotePin

-
- Records meetings
 - Transcribes and summarizes
 - Records all meetings and summarizes
 - Powered by ChatGPT
 - \$159
 - Plaud.ai



Adobe Firefly

- Firefly.Adobe.com
- Upload Image
- Text to Image: Change Background
 - “Lush Hawaiian beach background”



Superlegal

- Create and manage contracts
- AI Quickcheck
- Optimize negotiations
- Salesforce integration
- Contract turnaround in 24 hours
- “Cuts legal costs by up to 90%”
- Lawgeex product
- Superlegal.ai

 **Superlegal.ai** @Superlegal_ai · Oct 11, 2022

You're going to LOVE Superlegal, but your lawyer won't!

We've been replacing lawyers & transforming the way you do legal since 2021 🔥

CHECK US OUT: superlegal.ai

[#contractreview](#) [#superlegal](#) [#contracts](#) [#legalai](#)





AI AGENTS

ANTHROPIC NOW LETS CLAUDE TAKE CONTROL OF YOUR ENTIRE COMPUTER

SOUND SAFE TO YOU?

Claude AI can control your computer by itself



Cool ? Examples





Join TechCrunch+

Login

Search Q

TechCrunch+

Startups

Venture

Security

AI

Crypto

Apps

Events

Startup Battlefield

More

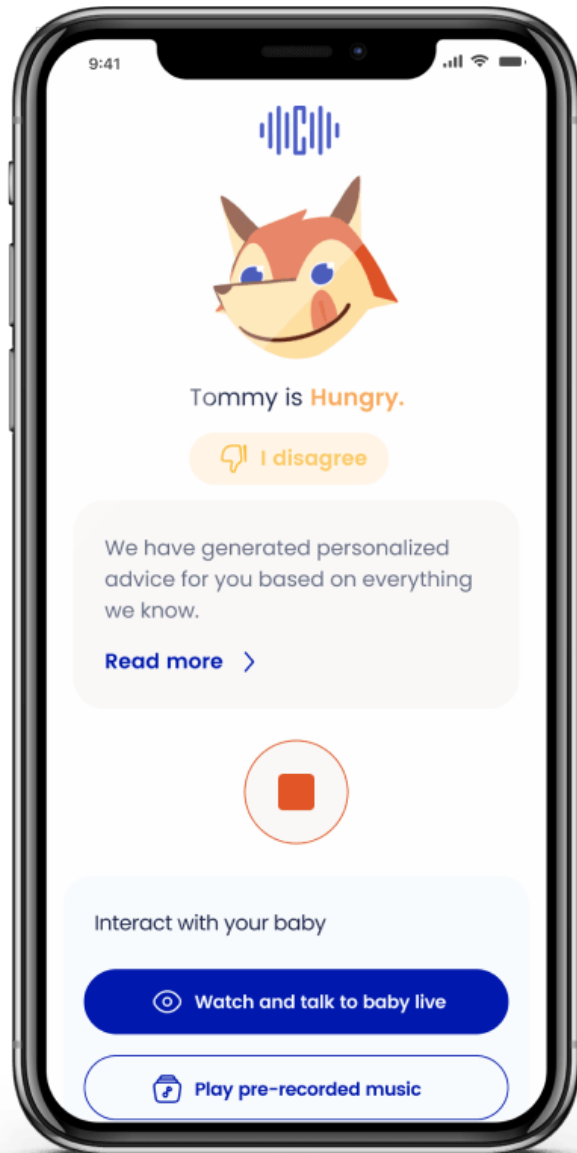
AI

Walmart debuts generative AI search and AI replenishment features at CES

Sarah Perez @sarahpereztc / 4:05 PM CST • January 9, 2024

 Comment





Capella AI Baby Cry Translator

- Personalized parenting support app
- Record and track baby's routine
- Translate baby's cry
- Track sleep
- Launching soon on Apple and Google Play stores

Hour One

- All-in-One AI-video platform
- Virtual human presenters
- Create professional grade videos
- Create selfie twin
- 100+ languages and voices
- Free demo version
- Hourone.ai



Welcome to Hour One, the all-in-one AI-video generation platform.
Streamline your video creation process with all the tools you need at your fingertips.

146/500



My First Draft

+ New tag



The video player shows a woman in a dark blue blazer standing in front of a green background. To her left is a screen displaying a cartoon titled "BILL & PHIL" featuring two men talking on mobile phones. The video player controls at the bottom include a pause button, a progress bar showing 0:00 / 0:41, a volume icon, a more options menu (three dots), a 1x speed indicator, a Creative Commons license icon (CC), and the "Hour One" logo.

Adobe Edge Camera

- Security camera
- Range of up to 1.5 miles
- Works via Wi-Fi HaLow
- 6,000mAh battery
- Infrared motion sensor
- AI facial recognition
- \$199.99
- [Adobe.com](https://www.adobe.com)



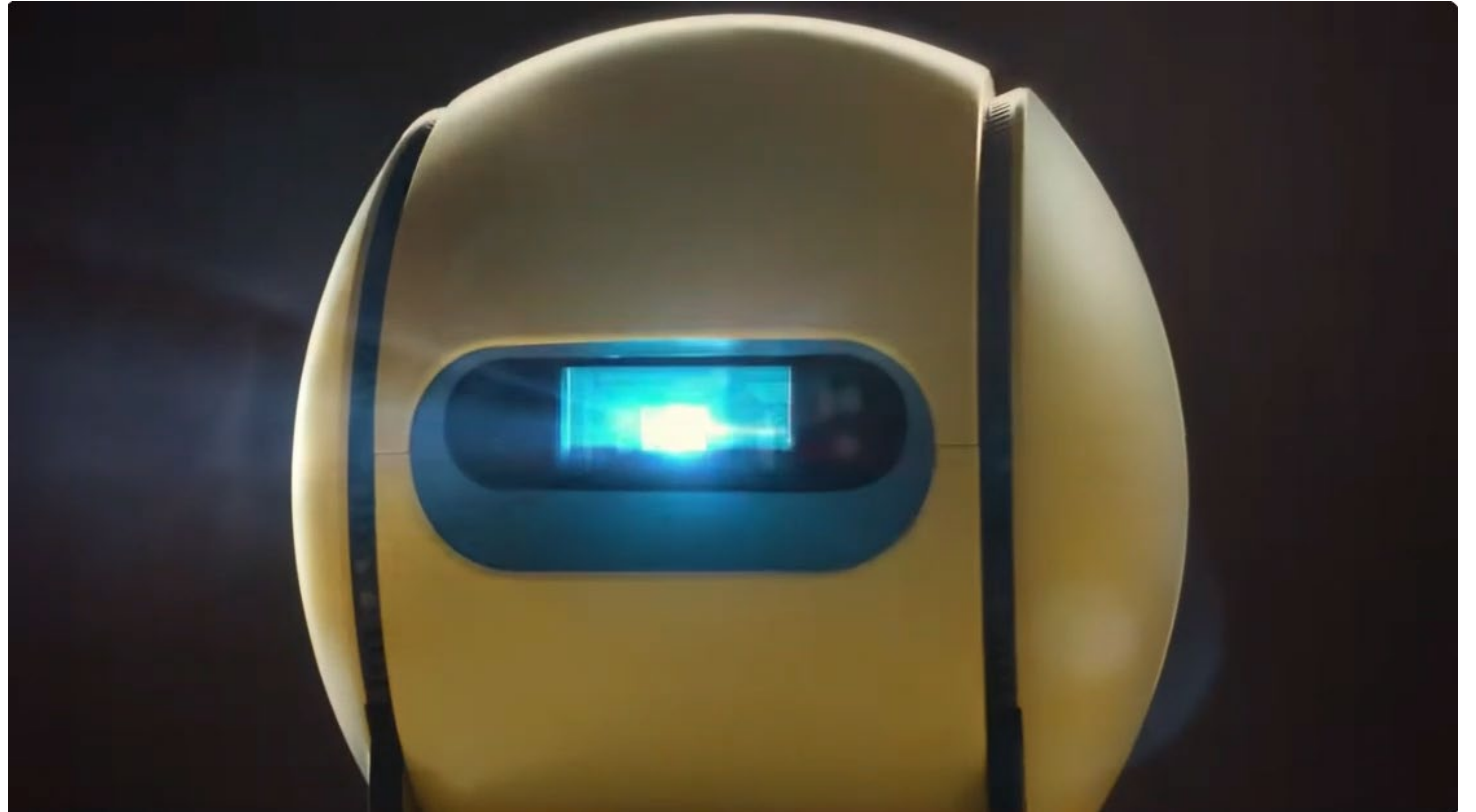


Beamo

- 4-in-1 vitals monitor
- Complete health checkup in 1 minute
- Temperature/heart/respiratory system
- FDA approval pending
- \$249.95
- Coming Summer 2024
- [Withings.com](https://www.withings.com)

Ballie

- Home robot
- Responds to voice commands
- Smart home controls
- Built-in projector for movies, video calls
- Home navigation
- Coming Soon
- [Samsung.com](https://www.samsung.com)



Lumen 5

- Online video creator
- Upload document
- Video created from document text
- Various templates available
- Lumen5.com
- Free Trial

Microsoft Windows Copilot By Bill & Phil

00:01

00:47

Swarovski AX Visio

- AI supported binoculars
- Identifies bird or animal species being viewed
- Share discoveries
- Capture photos and videos
- Only \$4,799
- [Swarovskioptik.com](https://www.swarovskioptik.com)





Seergrill Perfecta

- World's first AI powered grill
 - Up to 10X faster than conventional cooking
 - Cooks at up to 1652°
- Dual vertical IR burners (no flipping)
- Grill steak in less than 2 minutes
 - \$3,499
 - Seergrills.com



Jasper AI

- Artificial Intelligence writing tool
- Auto-generate content for blogs, social media, ads, etc.
- SEO-friendly
- Original content
- Plagiarism free
- Supports over 25 languages
- Free trial
- Jasper.ai



JASPER AI REVIEW

START YOUR NEW COPYWRITING
JOURNEY TODAY

Samsung Galaxy S24, S24+

- New Samsung Galaxy phone with Samsung AI
- Titanium
- AI Zoom for enhance photography
- “Circle to search” feature
- Generative photo edit
- On Sale Jan 31

Galaxy AI ✨ is here



Exclusive colors only on [samsung.com](https://www.samsung.com)

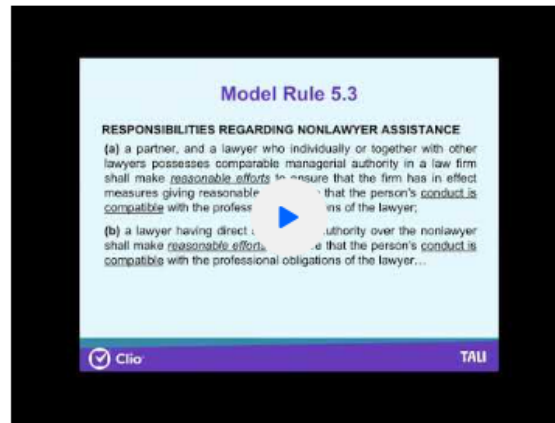
iPhone 16 and 16 Pro

- New iPhone with Apple Intelligence
- On-device and server processing
- New Siri
- Summarize phone calls
- More to come



VidRapid

- AI tool to summarize YouTube videos
- Jump to relevant sections of video
- Free Trial
- VidRapid.com



Technology Ethics for Attorneys

Duration - 00:54:23

Understanding Technology Ethics Rules in Law Firms

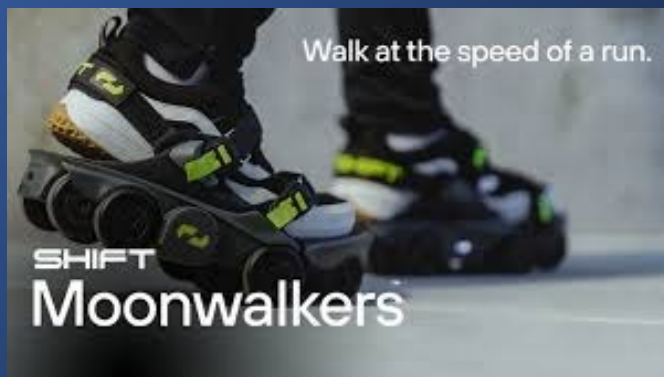


Summary

Transcript

This video discusses ethics rules related to technology, due diligence in selecting technology tools, questions to ask cloud service providers, and how law firms use technology.

- 💡 Review of ethics rules related to technology 00:23
- 🔍 Due diligence in selecting technology tools 00:39
- 📄 Questions to ask cloud service providers 01:08
- 📺 How law firms use technology and the importance of competence 01:57
- 🔒 SSL stands for Secure Sockets Layer 00:30:52
- 🔒 SSL is an industry standard encryption technology 00:31:02



BFB
by Charmin



Ray Ban/Meta Smart Glasses

-
- Bluetooth Audio
 - Meta AI Integration
 - 12 MP Camera for Video and Photos
 - Handsfree Phone Calls
 - Starting at \$299
 - Prescription Glasses Available
 - [Ray-ban.com](https://www.ray-ban.com)



EMO Desktop Pet

-
- Has personality and ideas
 - “Independently cognitive and curious
 - 12 MP Camera for Video and Photos
 - Can see, hear, feel, think, learn and communicate
 - Starting at \$249
 - It will be there for you
 - [Living.ai/emo](https://living.ai/emo)

