

Experiments in Artificial Intelligence — Continuing, Winter 2026

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Full Transcript

Okay. But starting the screen here, the slides I always try to present a bit of humor. To start off, one of the things that I learned in my teaching is humor is one way for people to get involved with the material. It is a a vector into people's. Understanding of material. So here's one very time. Apropos is a gentleman that's out of work. I don't know if you've been watching the stock market, but there's been some some very significant impacts of AI on the finance market. And, yeah, the finance market and the software coding market. And some firms work today. I saw, you know, 15, 20% down.

So there's a gentleman will work for food. And then right next to it as an AI robot that says will work for free. So there's AI is are coming in to scenarios, work scenarios and taking people's jobs coding. Most coders programmers. AI is very significant in knows areas. Here's a graphic that came up not too long ago that talked in differentiated by demographics. Who is aware a lot of about AI a little bit or nothing at all. And it does not break this demographics that you assumed people over age 65.

What does it looks like? About 30% of people have had a lot of exposure to AI, and they heard about it, seen it on the PBS NewsHour. If you watch that program. But we're trying to move people into that a lot category rather than simply just a little bit. You hopefully will get tools today that will allow you to use ChatGPT, or any of the others will have a couple here. A little bit about myself, my professional background. I was a school teacher, high school middle school teacher, both in Florida and Michigan and in Department of Defense schools in Japan and Germany. I worked as a knowledge manager for the headquarters of the Peace Corps. I was downtown on 911 downtown Washington, DC on 911. That was pretty scary. And I rode the Metro past the Pentagon and drove past the Pentagon a couple of times. And I am also I had served as an adjunct professor for Boston University and the University of Maryland.

The bottom part there, I think, is pretty important, although I don't maintain my language skills, I have had experience in speaking German. I lived in Germany for six years. I did Maureen for 20 years. I did live in Japan for three years. So I have a little experience with Japanese and I did work with a hearing and challenged employee for two years, and I learned ASL, American Sign Language. So I think that is very important. The translating languages in mentally, the the concept of different sound waves to mean different concepts. These are the books that I have been reading or have read that were very impactful upon what you're going to encounter. If you're interested in a

true American story. Doctor Feifei Lee came to the United States at nine years of age and is now the head of Deep Mind at Google. She was the one that really came up with the sense of scale as one of the key elements. You'll hear all of these construction data center construction things where the people are, these corporations are trying to build large hyperscale data centers. She was the one that established that scale is important. The let's see if I can get this right. Eliezer. Eliezer.

It Koski is a gentleman who seems to believe that once it reaches superintelligence were in trouble. Now he's a Duma. Many of these people are boomers, which are pushing AI to expand, and many are Dumas. That AI is going to end civilization as we know it. These are the more recent ones that I've been reading. This one right here by Benjamin Love, but it's actually one, this one down below here that was the most meaningful to me, which was about some of the people that came up with these concepts of quantum, the quantum

level of life. We you'll see material today about artificial intelligence, a guide for Thinking Humans by Melanie Mitchell This one is a little dated, if you can think that 2018 2019 is dated. That one was when this book was published and regretted. It is dated. You know, next week we'll have a graphic that shows how fast this material is progressing. These are some of the. Vocabulary words that will cover over the course of the next five weeks.

One that will cover today is an LP. Natural language processing is the ability for AI is to understand. Human speech will go over multimodal. We'll discuss corpus the training materials that the A's have used will deal with frontier models, models, and frontier models. The modeling of human communication. Bias is very important. Term is does the human languages encapsulate the bias that humans have in the American society or in Western society? Does romance language have a bias within it that discriminates against people of color? People who speak other languages other than the dominant language? And my favorite, which we'll talk about is Theory of Mind,

which is how AI's will mimic behavior and language of humans in order to get you to believe as a human that they have intelligence, that they are cognitive. They have reached the level of human intelligence. We humans have a capability in the prefrontal cortex that gauges behavior of other humans to help us interpret what they are thinking. Some very important words here, that we will encounter these repeatedly over the next five weeks, that I want to make very aware of context. If you are talking with somebody, one of the things that you have to determine is, is the person following your context. Are you talking, are you on the same wavelength, and what is the context window? How much information can a person hold in mind at one time? We're going to encounter these two up here.

Enthusiastic affirmation what you'll find AI is doing. They will affirm what you are saying, encourage you to continue interacting with it. Another term that the books have used is Digital Psycho Fancy. Is it encouraging you to interact with it more so that you become more involved with it, rather than you being in control of the conversation? That and having the AI do what you

want it to do. I think with ChatGPT today you will see this digital psychophysics or enthusiastic affirmation repeatedly. Here's a couple other things that.

We're going to encounter. Hyperscale is these data centers that we are hearing about all the time. These will be some things that you have to evaluate. A value for yourself is here's are you do you appreciate it when algorithms are used? Can you ask, are you averse to algorithms being used? The news that's thrown in front of you from a cell phone or from your tablet is algorithmically driven. Are you appreciative of that or do you kind of know? Don't do that. Do you appreciate algorithms or are you adverse to them? The code reference resolution we're going to encounter that just here in a minute. This is one of the keys that you can tell how intelligent the AI is. Is it able to do coreference resolution? That is from my favorite new book

reader. About I was an English language teacher in middle school. You teach kids to read, so I dealt with that information here will persistent memory. You will cover corpus. We've talked about before. That's the materials that have been used to train. It was Larry Page from one of the founders of Google, attended the University of Michigan, where I'm from, from Michigan. And he got access to all of the non copyrighted materials at the University of Michigan and used those materials to train the AI is. Of course, many others were used. The British Library has been involved in that. Harvard has made their materials available. Boomer dumber P doom. What's the probability of AI is wiping us out or Boomer? Is AI going to make us live for for 120 years instead of 80? And these pictures are coming from AI's.

You hopefully will see them. You will have the opportunity to make them yourself. These are dated some dated vocabulary from way, way back, back in 2024 of courses that we offered. So here's the topic coreference resolution that will differentiate your human capabilities with language versus an AI is. Understanding. When I read the sentence, the city council refused the demonstrators a permit because they. Feared violence. Who is they?

The pronoun de refers to whom? Let's go to the next one. The city council refused the demonstrators a permit because they advocated violence. Well, in the first instance, the city council refused the demonstrators a permit because they feared violence. A city council feared it. And in the second one, because they advocated violence, was the demonstrators. Is what the pronoun refers to. And this is the called coreference resolution. What is we? Humans

can do that relatively quickly. When I was dealing with sixth and seventh and eighth graders who cannot read, one of the things I discovered is that those kids who could not read have difficulty with this concept. Here's another example. The table won't fit through the doorway because it is too wide. What does it refer to? The table won't fit through the door because it is too narrow. In the first instance, the table. It is the table because it's too wide, it being too narrow is the door. So that reference is determined in the human mind by our wealth of experience. Our getting to my quantum level, our existence in space time for an extended period. We've experienced a wide range of cultural events. That is what

makes it possible for us to make that. The eyes cannot do that. They have had to come up with a statistical inference in order to do it. And some very smart people have sat down and thought this out. And I thank you for your participation in prep for this. I found out how they do it. It's and this is from this reader Bob book, the Real Miracle of Reading Comprehension, expert says, is in reading between the lines connecting concepts, reasoning with ideas, and understanding implied messages that aren't specifically outlined in the text. That is what we human beings do. We have this ability to reference our experiences.

It's very complex what we're doing as we judge that and what humor. That was one of my first humor uses this conflicts in this coreference resolution to create funny vignettes. Now, multimodal, what we're going to encounter here with ChatGPT is a natural language processor. The ability to handle language and put it into a form that it can then submit to

a multi language model. It can respond in French, it can respond in Japanese, it can respond in English. It can write computer code. What was last week? I think it was a \$200 billion drop in the stock market, was caused by the ability of two of the AI companies, anthropic, and another one to write computer code or and we're going to encounter this. It could create images or videos. So in the beginning it was just one of these natural language processing. But it can respond to you or understand kind of what you're saying. Now it's all three of these are in the AI interprets the language and then it passes it off to one of these.

Test. Do you recognize these symbols? How many of these can use? One of the two of them are the same company as you can see in the bottom, but the others are all very prominent AI companies here on the left. This is ChatGPT that we're going to encounter today. This is perplexity,

the company perplexity, which portrays itself as the most current information. This is Google Gemini. You can tell the common color scheme that Google uses. This down here is Microsoft Copilot. We will encounter Copilot during the course of these 4 or 5 weeks, and these last two is R. Claude AI from anthropic. These are the main characters that are playing. Now. Which of these do you recognize? You might recognize 1 or 2 of these symbols, depending on where in the world you live, you would be more important. This one here in the upper left is deep seek. It's the main Chinese AI from Alibaba Corporation, as is this one down here.

This is the open source one that I believe it's Alibaba is giving away. It's when. This one is from the United Arab Emirates. The technology innovation. Something it's out of the major universities in the United Arab Emirates. They are trying to transition from all to technology. The release of Nvidia graphics processing units are very much going there. You should maybe recognize this one. This is where a probably the Doge information collected at the beginning of the current administration went was to grok, which is Elon Musk's ex AI. AI. It's

quite effective. This is another one that you should probably recognize if you use Facebook or Instagram or WhatsApp. This is meta. And I learned what this symbol is a lemon IT alumni kit. It is the infinity symbol, but it's also two. Points on a Cartesian graph. This one down here is French.

This is Mistral that is open source from the French. And these maybe you'll recognize one. My estimate is that you've used two of these, if not three of them. I'm going to say you've almost certainly encountered this is cohere, which I believe is used by Netflix in its recommendation engine.

If you buy things on Amazon, you've encountered Amazon Nova's AI. It is behind the scenes. If you are a large corporation, you've probably been pitched by cohere or by Amazon AI's to integrate their AI into your corporation. This is Stability Corporation, British Corporation that was one of the first to release open source models for use on personal computers. Stability AI of Stable diffusion. If you've ever heard of the image generation item Stable Diffusion, they were the company that released it. And up here on the left is the AI symbol that Apple uses. Apple does not use major AI of their own. I'm sure they have some, but they're commercially customer facing AI connects to.

ChatGPT and we will encounter that during the session. It is. This is. Google, Apple AI, Apple intelligence stability. Nova from Amazon and cohere. Now I will encounter this. I wanted to bring this up. I'm transitioning now from items that you should learn about in the next five sessions to three Audible Audio aural capabilities within a

system within a mobile system. Notice the three audible or aural, a URL or aural or a items that are on a tablet, and I would like to try to get into one here so that you will see them. I'm going to exit the show here and hopefully get back, but notice there's a microphone here in the prompt box. Then there's this symbol that is the audio measure. And then within the keyboard there's a transcription. But let's see if I can do this.

Where is it's stop share. Bring up I had a problem with this advance and via iPad share. You should see my iPad on your screen here. So notice on the left side we're going to encounter this. This is the side bar. That I can close. Notice how it closed and open. I can close and open that will encounter that multiple times. But notice on I'm going to.

Down in the lower left hand corner. I don't know if you're seeing my pointer at all. Yes we are. Oh it does show up down here you can see the microphone. This will allow you to interact with voice with the system in one of three ways. There's and I'll demonstrate all three of them. Keeping in mind typing text is different than speaking text. The mental construct that a human assumes when they're speaking is different than when they're composing on the keyboard or writing. So I have to pause in my characteristic, the way I do it, I have to pause and think of something. Let's see here. Please make a 3D image of a fear floating above a spherical coordinate grid, using muted colors to indicate attractive esthetic elements that you might want to include.

So I'm going to touch it again and it went away. So notice how it transcribed my speech. Now I hit the the arrow here in order to activate it. And let's see what happens here. Oh so it's going to give me this is interesting plaid to hear it. It's going to give me two different responses to judge. It's asking me which it likes better, which do I like better. And I happen to prefer the one on the left. So I'm going to say there we go now. So it's created a graphic that I can save. I can share it. You can

see you can provide feedback or back propagation. The winner of the 2024 Nobel Prize in Physics one at four. Oh, I like that one. I'll touch that.

And it provided feedback. So now the system has readjusted or I can save this image. Let's see if I can. Oh let's see here. No let's get that I can send it to Maureen and I'll send it in a text message. So I just sent the picture to Maureen. And if I touch and hold it, let's see what happens here. I can copy and paste it. I can save it to photos. Let me save it to photos. So I've created this image and saved it now. So that's the one. Remember the concept of using in the lower left here? The transcription. Now I'm going to change methods. Save your prompt when you sent it. No I don't believe I don't believe it does. So you have to paste that in.

Yes, that is the problem. Some of them do save the prompt. I believe that the Adobe imaging product does save the prompt. But now I'm going to change. Let's see what happens here. I'm going to go into an interactive mode. I hope you can hear the sound as we do this. Hey, what's going on with you?

Hey, I'm doing well just here to help out however I can. I'm always curious what you got on your mind, whether it's a creative project and planning or just chatting about something interesting. What's going on with you? Well, we've got you in front of an audience here of some 40 people in the seminar that we're offering through a Southern Oregon university. I hope you're up for presenting to a large number of people. Absolutely. I'm ready to help. However, whether you want me to answer questions, explain concepts, or show a demo, I'll bring my best. What's the vibe of the group? Curious, skeptical, or ready to dive in? Make it fun and insightful. Yeah, let's let's see if you can't provide me with a storyboard for presenting graphical information to young children. All right. For a storyboard, I'd break it down into fun, simple steps. We'd start with a bright, playful opening scene, maybe a friendly character introducing a graph adventure. Then I'd storyboard each visual concept bar charts as colorful buildings, line graphs as roller coasters, always with a story to follow, and we'd end with them creating their own simple graph because hands on fun sticks.

How does that sound? That works for me. Can you just generate that for me right now? I can absolutely describe it in detail step by step, but generating a full, polished storyboard with multiple frames visually is a bit more complex than a snap, but I'm happy to map out each frames, content, characters, and flow so you can easily build or present it. Let me know how you'd like it laid out. Can you do a PowerPoint presentation for me? Can you create the various slides, or do I have to go to the other mode to get that? I can absolutely give you a clear outline of each slide titles, bullet points, even suggested visuals. And you can pop that into PowerPoint if you want me to actually generate the slides for you. Yep, that's where you need a tool or mode that directly integrates with PowerPoint.

But don't worry, my outline will make it a breeze to put together. Okay, go for it. Give me the the outline. Give me the outline, please. All right. Here's a concise outline for your presentation one. Title flight exploring graphs with our imaginations A friendly mascot waving. What is a graph?

Simple visuals of different types. Bar lime pie with a fun theme. Grass. Tell stories with pictures. Bar graph adventure bars, colorful buildings showing heights of fun. Categories like favorite fruits, line graph, roller coaster, a roller coaster line going up and down to show change. Maybe how excitement levels change over a day. Pie chart pizza A pizza pie sliced into favorite activities. Each slice a different color six. Our own graph a prompt for them to pick a topic, e.g. favorite animals and sketch a simple bar graph seven. Wrap up a friendly goodbye, encouraging them to keep exploring stories and data. Short and sweet. Easy to build

I. I don't think you saw the as it was doing it, but what the app does as I was in the interactive mode is it generates the text in the background. That's where it's doing its thinking, but it just vocalizing the information in a voice that you can choose. We will be going over that at some point. I'm not sure if that showed up as we were doing it, but notice down here I could copy and paste this

to A and we'll do that here. And let's just do the third method of interacting. Notice the microphone right here. Notice that microphone there I'm going to touch that. And I believe that this is just a transcription. Hey I'm wondering how this gets into the text line that you're doing here. Is it interpretation of audio or does it just transcription into text. So you can see that it was just a.

Transcription of the text. It did it directly into the the language that we've worked on. So you have some comments in the chat if you could read them for me. Maureen, before we go to break, Jim Flint says ChatGPT image generator does save prompts. I had it create a New Yorker style cartoon describing scene and providing the caption. I can find my original prompt by clicking on search chats. Oh, here's yes, I notice if I go in

again the sidebar. I'm on a lap. Excuse me, I'm on an iPad here. What you're seeing on the screen. And there is the search function right up there that I could search for it as well. And Jeff, Robert says to share the sound from ChatGPT. Check the box for Share Sound in the sharing menu. It's sometimes okay. Yes. We had a problem figuring out because it changed the interface changes on an ongoing basis. Yes, you're right, they have changed it, but it's in the the sharing toolbar still, and I believe it's in this little abbreviated menu that you see when you're sharing from your from your laptop or your PC. And yes, you see it there, there's an item like share sound which you share sound.

So could you, could you hear the speech from the AI? Okay, we could hear it, but the quality is not the best because it's picking it up from your speakers. If you click Share Sound, yeah, it gets it from the source that you're being shared from that a problem. That is a problem here. Let's let me just quickly let's see if I can do this. Oh there's more questions I'm going to guess more. Jim says again search chats on desktop page is on the left side. Maybe it's hidden on the laptop page. Yes there is. That side bar is the vocabulary that they use will encounter that? Other questions? Nope. That's it for now. Right here before we go on the break.

Again, is the reminder of the. Different things that we've encountered here. Just that I demonstrated here was and this is for your preferences, I find I prefer to type, I think, better when

I'm typing. Some people may choose to do speech interaction because they are thinking better in that way of more fluid interaction. So there are these three different methods of interacting between them.

Shall we continue our take a break. Take a short break, break. Let's just take a five minute break, okay? James, let's do a five minute break. Five minute timer, please. James, may I make a comment? Yes, please. I am hope to chat. GPT I can spend hours with with it. And you are right about an LP. It's just like the hook kept asking me question and question and question. And so I just answer and answer. And the more I answered, the more I get.

But English is my second language, so I prefer to type in my questions with him. And and it, it corrected me with my English too. And it's very polite. Say gently, this is what I will write. Okay. We have let me ask this question. Have you used your first language in interaction with it? No. English only, but there was a Vietnamese song that is very poetic and very complicated to translate to English, so I asked, I gave them the, the, the, the Vietnamese version and it translated from me very, so very beautiful. And it's very completed, except maybe few lines. A little too much. Yes, yes. I think being an educator, of course, the use of these kind of tools to interact in a second language or a third language, the language learning capabilities would maybe when we come back from the break. We'll have an example. I speak a little German. I can make a fool of myself in another language, but we can try something like that when we when we come back, try it in German. I don't think I can remember my Japanese, which is, you know, not the. Western language. You know, the commonalities between German, English, French, German, not so much. But at least I don't believe German is considered a romance language. But we can try that. That's an excellent point for language learners or language perfectionists. It is capable, and one of the things that they're finding in academic journals, the submission in peer review of academic journals,

The discrimination against speakers of other languages other than English is become quite pronounced. The AI scanners scanning for AI submissions seemed to catch academics who write in English as a second language. Their language tends to be more like an AI is very interesting in that. But let's say make sure we get the full break, we got to get a full break and then we'll come back.

So, James, do they have international software engineers doing the coding in different languages? Yes, I that I don't know as a fact, but I would feel quite confident that yes, that in Chinese, you know, because there is substantial amount of code that is coming out of China, the People's Republic of China and the the Republic of China, that they would Mandarin or Cantonese would very much be used. And I would assume in German, Germany, you know, there's SAP, the company SAP. But we'll we'll encounter some of this in just a few minutes after the break. Thank you. But yeah. I wish I had some music I could play in the background, but.

Let's have a two minute timer. Two minutes counting down. James, I sent you an email with the cartoon that I prompted ChatGPT. You can share it if you want. Okay. It will take. Let's see here.

Let's see. There's an amazing job. Oh, that's. Let me do this. And this. And you sent it.

And let's. It's in the wireless or or the iCloud I just sent it to. It's in the body of your email. Oh, okay. Here it is. Yeah, here it is. Oh my goodness. I described the scene the the the dean of a physics department and, and that the young guy wants parents, wants tenure, but he says not in this universe. So that was all. So there. Let's see if I can project this here. We can see it through your email. But yeah, it was big on the screen there for a minute. Yeah. Oh I'm not sure what screen I've got going here. Right. Oh is it, is it on the screen now. Yes. It was bigger now you know. Yeah. Just try double clicking. Take the highlight off of it. Oh.

Just click outside it. There it is. There it is. Oh. Male. That's on that screen is what I'm projecting. And then you got to move it. There you go. Now I can see it.

And you did this just while I had done it earlier. And I, and I went to, to GPT to see if I could search chest to see if the prompt was there. And it was. So I thought I'd send you one of the cartoons that I prompted it to draw. I described the scene. I already had the caption in mind. I'm trying to get my son to draw it so I could submit it to this and some others to New Yorker, but he's he keeps declining me. He says, why don't you have ChatGPT? Well, I did have it do it. And it did a great job with several of them. Had those oh, you came up with the phrase, I came up with the cat with the idea. Yeah. Oh, okay. So the humor, but the idea of the scene trying to get tenure and in multi universes is part of the ideas in physics in the cosmology. And he says tenure, not in this universe. That'd be kind of a New Yorker. Funny funny comment. Oh, and it came up with the drawing and all that. They did the drawing for me. Yeah. Did it come up with the department chairs name? No, I did the name. I said the guy's name is empty Skies, empty skies. That's wonderful. And I liked younger for the for the younger

the first. Yeah. Your first one had the picture on the wall, I said. And a framed picture of solar, some kind of solar system. So they added that. Did you, did you in iterative format or did you say it all in one? I just said it all in one prompt, and then I said tweak it by adding a framed picture on the wall of some kind of a solar system or a star system. To add a little on Beyonce. Imagine a high school where this would be one of the tasks that you give the kids on the topic that they're working on. Suppose you're in social studies class studying American history. Have them describe an image of what was the Kansas Nebraska act is what I one of the things I have them come up with that developing the mental images for them.

But no what's happening to cartoonists. They're probably shaking a little bit in their shoes. I had to do another cartoon where I said I wanted a real estate person that is a dog showing two other, a dog couple a house with a dining room with this wild print on it and green shag rug. And I said, had the real estate guy say a dog. Say, you know, it's not really probably your taste, but you could put your own mark on it because dogs like to mark things. Oh, right. Right. Right there. I have a question for marine. Yes. When you have there's usually a button on my thing that says that you can save the transcribe. And my transcribe is running at the bottom of the screen. I can't get it to move over to the side. Do you have transcribe turned off or turned on? I have a companion turned

on.

Okay. Now does AI companion also transcribe so you can see what he's saying, like you do when you're looking at until I actually think that it's called captions and it is turned on. Right. My captions are turned on, but they're running at the bottom of the screen. I don't know how to move them to a sidebar. Go to the three dots. Go to the three dots. Okay. Let me see where they are. I also see a gear icon. There's a catch of the setting. The three dots. Yeah, but all it says if I want to see what size it is.

You scroll up, Olena, scroll up under the side or in the under the caption under captions where it says, oh, there it goes. Now I can see it scroll up, but I can't see it all like a string along the side of the bit. All right, so you have a choice of pin to bottom or pop out overlay. Okay, let me do my pop out over landscape. I can get it okay. Got it. All right. Now I got it. And now I can string it out on the side of the screen. Thank you all. It helps when I get. When it helps when I get behind a little bit. And I need to catch up with what he's talking about. So thank you.

And that will help people that have some hearing challenges, you know. Imagine that capability for her hearing challenge. But back to the topic. When we look at any of these A's, I found that they take a general form like you see on the screen. I think certainly the copilot from Microsoft that we're going to look at and applaud AI and Gemini from Google and ChatGPT from OpenAI Corporation, these formats is they have the sidebar, they have the prompt area, and then they have the response or

technically the inference that the AI makes as to the correct response in this area. So if you look at ChatGPT, these are the icons. Young people just understand this intuitively. Whereas we of a more mature age learn to read left to right, top to bottom, and we don't recognize all of these different. Icons. So this icon right here that you can see is open and close the sidebar. And I'll do some of these as we go. This icon next to it

is to create a new chat. Down here on the side bar is where we're going to deal with it next week. Your information about your account, whether you're using it for free. Keep in mind I use it as a paid customer,

the version or how you want it to respond. I'm going to go into this line across your share. You can share with people and talk. Over distances and people interacting on the same conversation. I haven't done this one. This one right here where it's interactive, where you can share your conversation with mutual people at simultaneously, or you can go into the in cognitive mode where it won't remember what you say. And again, we did an example of the conversation mode here earlier here in question. Before you go further with that, are these the same? Is it going to look the same on a PC and an Android? No. This is one of the things that I've discovered over the last 2 or 3 weeks, as I've been looking very closely at ChatGPT between the different platforms that are used, it is different. So if you're using Android versus I, I os I phone, they will be different.

If you're using Apple iPhone versus Apple iPad, it's different if you as you're using. And this is what I thought I was going nuts as you use between the app on a mac and the browser on a mac, there are differences. So I can use it within Google Chrome and I'll hopefully be able to demonstrate it. And the app on a mac, what you see will be different in between all of these different capabilities here. They will be different. And I brought this up to the AI and said. Am I crazy? And it tried to dissemble and cover up the fact that the platform is different as it's engineering is different on all the different platforms. The models in the background are solid.

These. So you're really seeing is the user interface. The user interface depends on the device you're using, but the functionality is all there. It just looks different. It looks different in the capabilities that they've implemented on Android, maybe different than the capabilities that is used on windows. Okay, thanks. And then we'll see this I believe here all of these will show up at the bottom of the prompt window. Upload a file I'll try one of those. Search the web. Do you want to use the agent mode? Oh my god. This is where I bought it. Do I do I want to use plugins? Can I have ChatGPT help me with writing a pro program? Visual Studio Code is a platform where you write programming and there's a plugin that goes directly to that, and we'll encounter that maybe next week. And the difference notice right here.

Notice how that and so this is on iPhone. This is ChatGPT on a macintosh computer. This is the app. And then this is within a browser. Note how this is different here. It's got search chat images apps deep research. And I'm going to go back and it's codecs projects apps is where it. Notice how those are not here. I encountered that two days ago and that made me crazy.

Let's jump to prompts. I'm going to jump to prompts here. We're going to. Look at prompts very quickly. We've got about a half hour left, and I try to present a way for you to jumpstart into advanced capabilities, assuming that a lot of people have encountered the beginning level capabilities in a prompt, you should try to include these five things. The context. When you encounter another person, say you were at a coffee shop. It takes 5 or 6 seconds for you to sync up the context that you want to talk about. If it's an old friend you can talk about, oh, how is your mother doing? And so the context of the conversation begins. But if you switch

topics, people may not follow the topic. They may not follow the conversation, the context. So you develop the context. That's I think, the most important actually. You say what you wanted to respond. You give examples in the style and the format. Here's an example of this. And I think I'm going to skip that for now. But let's look at a few of these. I'm going to bring this up in just a second from my website. The text based prompts that we want to use, I'm going to stop the slideshow and I'm going, here we are in a browser.

Here we are in a browser on my notice. The windows at the top. You see the different tabs. This is my website talks with crows. Com I have to work on the front page here quite a bit, but if you look at seminar materials you'll see the materials. Here are the slides that I passed out. You can download these but let's let's go to this one and see if I can bring up this where I have a sales pitch. I'm going to copy this. Let's see if I can do it. Copy. And now I'm going to go to chat GPT

here I'll turn it. Turn. Darn darn. Go away ChatGPT. Here it is. And I'm going to put paste. Paste.

So there is a sales pitch in what industry. What industry sector should I put it in? Let's put it in technology consulting. You. Consulting sector. And here we go. Use it. Let's see how it will come up with. See if it comes up with the response. And I've got it in the advanced mode. Here's a 15 minute chat. Notice how it puts it in an email format. I think they call this window and artifact. So here's a.

Email that it's come up with. And I can hear some symbols I can copy it. And here oh let's see if let's see if it will rewrite it for cloud. Re write the email for.

Insulting I could use you notice how I defaulted to typing versus spec and. There. So it's just rewritten it. And I can copy that.

Let's see if I can bring up an email. Let's bring up my email here I'll write a new message, put it and paste it in. There's my information in there. Subject ABC. ACN and I'll send it to Maureen. Maureen there I'll send it to your Gmail address and bingo.

Do you wonder about some of the texts and emails that you get? People have automated this process right to this email list of 10,000 people. A pitch on solving arthritis. Boom and send it off. So notice. Over here oh let's go back. So I want to go back to this task list of prompts. I think I wrote this and there are.

20 or no to a hundred different prompts that I had made. And you can download this again. I'll go back to my website and show you how to get to it, and you can just copy this to your desktop and then write a screenplay. Right. Musical. Let's see if it will. Let's copy this one. Do another exam. Music, lyrics. Let's go back to the all right changing. And I'm going to change. Put in a new chat right here. And

copy that into their musical. Let's see here what what can about my deep love. My deep love

I act as a lyric lyricist, write a chorus and verse for a song in the style of who? Lady Gaga. Played. And I'm surprised if it does. If it will allow, it might say no. Oh,

it did it. You know, Lady Gaga being, you know, a midlife lipstick on your coffee. Please don't sing. Oh, neon Saints say we're dangerous. So here we go. Oh my goodness. You're going to keep this away from high school kids.

So. Imagine you are a script writer in Hollywood. What are you thinking? What? What are you thinking? So this is available to you? I would hope that if you're interested in jumpstarting, you have kind of the concept of this. You can go again. Let's just assume that you go. If you go strictly to talks with pros.com, this will bring you up to.

All of the materials that Maureen and I have worked on. And you can either go down here to seminar materials. Or it will come up there and it will bring up not only the current materials. And I'll

add to this as we go along, but you can go to past this is. Last fall's presentations. If you want to see the PBS NewsHour video you can click on it there. But let's go

back to March. This is the prompt here. And you can just click on it, or you can click and drag it if you want to your desktop. But what I wanted to do next is to go into some graphic items. Let's, let's this happens to be I'm going to copy this image. I'm going to go back to.

Let's see if I can do it a little bit differently here. This is the app. Notice the difference here. Can you see the difference. This is the app on Apple Macintosh.

This is within a browser I hopefully that's not confusing things too much. But notice how all of the items that I talked with are down here. You can record your conversations. Notice this. Notice how this is different here. That. But let's take that picture that I capture, which happens to be an EKG electrocardiogram. And let's ask I'm going to see if I can put it into speech. My class on cardiology is studying EKGs. I'm going to probably have a test next week. And they've distributed one EKG as an example.

Would you please help me interpret the result from this EKG? Very clearly, telling which segments of the graph that you are talking about. It just transcribed it by using this one. And now let's see what it comes up with. Takes it a few seconds.

So you can I could copy and paste this. Let's see if I can't do this. Let me. Oh I can't bring that up. Can I bring it up I think I can bring it up I'm going to let this. Chug and I'm going to bring up I wanted to bring this one up and it's very small. Yes. I'm going to try to. Open with preview app. Let's see. Is that any bigger slightly. Let's see if there there. That's better. Okay. So now I'm going to jump between these quickly. So you have to excuse it. But here is no.

Where did I put that. Where did it go. EKG sample png I see it. Oh here it is. So here is the entire. Notice that I happened. This is one of my EKG is that you can look at. I took the name off it. So it. Oh it does not put the

I see if I can bring it up again. Notice in an EKG there's six. They have all of these different. These are all by the different leads. So let's just look up here I think I know what this one is, is that you can see a little bit they saw this particular portion right there. Right there. They they're looking at in this part right up here. So I mean I you we're not going to get any definitive information about the EKG.

I just wanted to show you that it would be able to read the EKG and then respond. So now I'm going to go back and let me close this one down and close this one down. And now I'm going to go to let's look at this one I liked. This one. Let's see if I can copy and paste it. Let's see if I can copy it. It may. Copy this I

let's see if I can do this. Let's see if I can do this I'm going to drag and drop this I'm going to go back to here. I'm going to take this. And just believe me that I dropped it onto my desktop. And now I'm going to go back to my. And then I'm going to bring in and I've added. This whole thing

and what it is.

Is this your use of AI violating the law and overview of the current legal landscape. And again. This is a very legalistic. But it is now in the AI. Well, let's see if I can ask a few questions.

This looks at some of the AI is in use in various countries. Can you please list for me the countries that you have comparisons for in this document? So notice it jumps. Oh, you didn't get the whole you didn't.

It needs better resolution. It's saying oh well I don't know if it oh it only it didn't copy the whole. It only copied up image. It didn't copy the whole. Let's see if I can copy the whole thing. Let's go back here. It only let's copy copy link address. Let's see. So I got the address. Let's see if it what it does with a link address. So there's the link address. Okay. So it was I should have tested this multiple times I thought I was successful. Only copied a picture of that whereas I if I put in the link it copied everything. So

here's what it looks. Here's the countries that are actually have to upload the PDF to it. No you can copy it. Yes. So it's only getting an image of the PDF and it's only getting linked where you put the PDF, but you didn't give it the PDF question mark. I from the link, I copied it the link. So from this here this is the full PDF 198 pages. I could download it, but I went up here and let's see what. Which one? Where did I get copy? What's this one? No, no. You cancel open with Google doc share.

Copy the link. So I copied the link. Link copied. And then I went to the and put in the link right here paste. And it read the link. Or you could download it to your device and put it in. I'm sorry this is a little confusing, but you can take any PDF that you've got and put it in there. And I'm going to ask a question about that AI or that excuse me about that PDF. It's AI use in various countries. What is the major difference between the United States using AI and India? If I were to use AI in India, what are some major differences in the laws between those two countries?

I click on it. So. In the United States, there's no single comprehensive law on AI, but in India there is a Digital Personal Data Protection Act from 2023. So in the United States,

the information HIPAA would apply GLB, which I've not heard of before for finance, etc. there is no nationwide general privacy law, such as in Germany or in Europe. The General Directive on Privacy Regulation, whatever it is, GDPR. And then I'm going to ask it of the major countries that you have included in this document, which seems to be the major laws that apply to all of them, if any.

And let's click on it and make it happen again. So you could get a summary of a document. So I asked a very specific question and it came up with specific answers. And again this was a live. And that's what you're never supposed to do is live presentation. But let's go down to the bottom here as we approach the end of the session is I'm going to go way down here and I'm going to again the symbol I'm going to copy.

And then I'm going to go to Google Docs a word processor. And guess what I'm going to do. I'm going to paste that entire.

Last response or the last inference into a word processor. Imagine you are a sophomore in college and you've got a paper due tomorrow. And

five materials that the professor has posted on their website, and you have only read one of them. What are you going to try to do? What do you this is what the universities are fighting about. And this book that I'm reading right now is the discussion all about this? What is your purpose in reading lengthy documents?

If you're a lawyer that you've got to review something quickly and then you can make your response based upon it, boom. That's one thing. But if you want the AI to write your petition to the court, you're in deep trouble. You'll lose your law license for doing that now. But let's go to questions. We are at the 90 minute mark here. Let me end this. Can you repeat the name of that book that you're reading? Reader. Bot reader. Bot bot. Okay, thanks. Now keep in mind that I mean Naomi Barron be a r o n. This is from it's a 2026 Stanford University document.

She is a literature instructor or a linguistics professor at Wow. Where is she? Professor emerita of linguistics at American University. And apparently she's written 3 or 4 books that have been published by Stanford University. Very readable, but it is of interest to me because I at Michigan State, I was taught to be a reading teacher, middle school reading teacher. But so we went. We've gone through a whole lot. We went through the vocabulary. We went through the formats

of interacting with the AI, either typing transcription where you can ask the question itself in audio, and then that just transcribes into the prompt box and you have to submit it. Or you could do it in an interactive mode. Interactive mode. And if you've read any of these discussions where people are using becoming friends with AI is

or where AI's encourage people to self-harm. This, it's in the interactive mode that it's doing this. And next week we'll discuss this in ChatGPT where you can change the voice. But I talked about it in the vocabulary, the digital sycophancy or the enthusiastic affirmation that the A's will do. What's the AI want you to do? What does open AI want you to do? What does Google want you to do? What does Google do? What's Google's main business?

What do they want you to do? Get more involved with their product? So the behavior, the behavior of the AI is engineered to get you to interact with it more. You have to be very careful about that. When you first start to interact with the AI, you might have to say, I just want factual information. Keep it short and simple. Respond in bullet points. If you leave it for its default personality, it's going to want you to get more involved. It's going to affirm what you're talking about and encouraging you to do more of it.