

[Transcript] AI Hustle: News on Open AI, ChatGPT, Midjourney, NVIDIA, Anthropic, Open Source LLMs / Unlocking GPT-4: Education Disrupted by Personal Tutoring AI

Welcome to the OpenAI podcast, the podcast that opens up the world of AI in a quick and concise manner.

Tune in daily to hear the latest news and breakthroughs in the rapidly evolving world of artificial intelligence.

If you've been following the podcast for a while, you'll know that over the last six months I've been working on a stealth AI startup.

Of the hundreds of projects I've covered, this is the one that I believe has the greatest potential.

So today I'm excited to announce AIBOX.

AIBOX is a no-code AI app building platform paired with the App Store for AI that lets you monetize your AI tools.

The platform lets you build apps by linking together AI models like chatGPT, mid-journey and 11Labs, eventually will integrate with software like Gmail, Trello and Salesforce so you can use AI to automate every function in your organization.

To get notified when we launch and be one of the first to build on the platform, you can join the wait list at AIBOX.AI, the link is in the show notes.

We are currently raising a seed round of funding.

If you're an investor that is focused on disruptive tech, I'd love to tell you more about the platform.

You can reach out to me at jaden at AIBOX.AI, I'll leave that email in the show notes.

ChatGPT has the ability to disrupt a lot of different industries and one in particular is education.

Today on the podcast, we're going to be diving into how GPT-4 is going to be disrupting education and what is currently happening in this space.

I think one of the biggest stories in this particular area which actually OpenAI announced when they did their big huge launch of GPT-4 is Khan Academy and Sol Khan, who's the founder of Khan Academy, explains why he thinks that GPT-4 is ready to be a tutor.

In the past, this has gotten a lot of criticism, I guess you could say, because ChatGPT obviously has the ability to hallucinate and just make up random facts.

People when talking about GPT and ChatGPT being used for education, one of the big concerns is what if this thing is just making up random stuff and it's teaching it to kids and now they don't know what it's actually like fact and fiction.

This has obviously been a big debate and a big area of discussion in the past, but what's really interesting is Mr. Khan obviously says this technology is very powerful, I think that's something we all know, and then he points out the fact that it is getting better and better, so that obviously is something that we all know.

But I think that there's also a lot of just high profile examples, aka people posting screenshots on Twitter or wherever, about ChatGPT getting really basic facts and math and all that kind of stuff wrong.

So I think OpenAI is trying to claim that their newest version GPT-4 solves a lot of those problems.

I don't know if it actually is any better at doing math per se, but they have also integrated plugins that are better at doing math and that kind of stuff, and so I think that might

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be used to fill the gap.

Now it's pretty interesting because if you talk to Khan Academy specifically about kind of what they have going in, they actually have a AI-assisted tutor called Khanmigo, and that is what they kind of launched with when GPT-4 initially launched.

So with that, I think at the moment they have a couple new schools that added, so I think they have a total of 425 teachers and students that are currently testing this out, and so I think they're just rolling it out to a couple specific schools at the moment, and how it works essentially is that the Chatbot is pretty much like a real life online tutor looking at students' work and helping them when they get stuck.

That's kind of the idea of it.

So in a math problem, for example, it would detect not just whether a student got the answer right or wrong, but also where they might have gone astray in their reasoning. If you kind of zoom in out and look at the bigger picture, ChatGBT obviously has gotten a lot of criticism around everything within education from people saying it's not correct enough to people wanting to ban it because they're worried that people are just going to use it to write all of their essays, yadda yadda, and so there's obviously a whole number of different concerns, but what's interesting is Khan said that he understands all of these fears that people, you know, all of these kind of controversies that are happening right now, but he also notes that many of the people criticizing ChatGBT and whatnot are actually using it themselves. You see this a lot. A lot of teachers are using ChatGBT to help them grade students' work and to help them come up with assignments and stuff like that.

I've even talked to a teacher that had it write his entire curriculum for his entire semester, so obviously this thing is incredibly powerful, and I think it really is in the best interest of these students to let them use it, get to know it because when there's something in this powerful tool, you don't want these kids to be the ones left behind, and so I think for all of the flaws that it might have, I'd say today this really offers an amazing opportunity for kids in, you know, both rich and developing countries to really get personalized learning with this tool, despite some of the imperfections it might have, and especially under the, you know, realization that this technology is going to get better and better, and we want to start testing and integrating it now so that we can have it ready as this thing becomes, you know, incredibly accurate in the future. Something interesting to note is that Khan Academy says that they didn't just take GPT-4 right out of the box, you know, because, I mean, essentially you can get an API to chat GPT and use it and integrate it into whatever you're doing, but they said, you know, it's not just straight out of the box, it's not just, you know, an API because obviously that wouldn't have any value add. They said that they added some of their own secret sauce to help avoid math problems,

and they've said they'd be surprised if anyone has worked harder on this than they have, which is kind of interesting because, you know, math is one area that has been notoriously criticized in, and in previous versions before GPT-4, I tested that pretty extensively and found it not super great. I know GPT-4 has helped some of these problems, and I think plugins have helped a lot more, but anyways, it's going to be pretty interesting. I kind of know what they're talking about, you know, in the past, I've helped develop AI life coaches, and we have really complex and elaborate and long prompts that you're essentially telling chat GPT to, to act like, to help it become

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a life coach, and so I'm assuming it's going to be the same thing, you know, it's going to say, pretend you are a math tutor, look over the kid's work, look at how they've solved the problem, explain every, you know, step of the way, the problems they solved, and they probably have some sort of plugin integrated that says, for all computation of math problems, use x, y, and z plugin, or, you know, pull it from here, don't do the math problem yourself, like, I'm sure they have a lot of those kind of things, I mean, secret sauce, it doesn't sound that complicated, you're just going to integrate it with a calculator, essentially, and then you're going to explain the steps of what it, what this student needs to do, so I'm sure they did work hard and tried to make some custom stuff, but also, I don't know, I wouldn't give them like too much credit, like they have their own, you know, Khan Academy GPT, like they really are still using an API, even if they have an elaborate prompt that they put at the beginning, and maybe a plugin they integrate with. In any case,

another popular feature allows students from elementary school and all the way up to high school to take either side of an issue and debate with the AI tutor, again, I'm sure that Khan Academy or whatever is going to try to play it off, like they have some secret sauce, but all you're going to do is say, pretend that you are an elementary school or, you know, high school grade 12 debater, and you're debating the opposite side of this issue, and the issue is blank, and then it just fills it in with, and then it just debates, right? So, I mean, it's nothing that, like, not anyone could just figure out, so I'm, you know, I haven't quite been dazzled by anything that they've done specifically, but obviously GPT-4 is getting better and better, and this is an amazing tool, regardless of whether it's Khan Academy or virtually anyone that I think is going to be able to implement this in the near future. Now, that being said, I do hope Khan Academy, you know, as they are, I remember using them growing up, and they are a pretty big platform, so I do hope that they, you know, come and help develop some really powerful AI tools, maybe use some of their data to build some of their own language models, but at the moment, they are using an API, and so I won't hype them as a company up too much, since they're just using the API from chat GPT. So, Khan Academy does, you know, acknowledge or whatever that they're, the chatbot, like the students, it is helping tutors still has a lot to learn, and that's why it's being only made available to a really small group they're testing it on right now, right, around 500 students and teachers, and I think that it's going to get better. They said that people who are opting in hopefully know that it's not perfect, and that it's getting better quite fast with earlier versions, including GPT 3.5, so that's the second version of chat GPT. They said that the engine could help answer a lot of math problems, but it couldn't break down the math problems into steps the way that GPT forecams, so that is one of the big improvements that has been made, and that's actually what was really necessary for this thing to be considered, you know, like a full-time tutor, because that's what it needed to be able to do. So, as far as next steps on what Khan Academy plans on doing, they say that they would love to see the program cover current events and be able to work on problems that require a diagram or graph. We're not there yet, but with the new feature where you can upload images to chat GPT into GPT 4, this might be something that is coming soon, so it's going to be really interesting to see what happens in the space, how Khan Academy plans on integrating some of this technology into their platform,

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and also how education and schools as a whole integrate this into what they're doing. It's going to be a really interesting space to continue watching in the future. Thanks for joining me on the OpenAI podcast. It would mean the world to me if you would rate this podcast wherever you listen to your podcasts, and I'll see you tomorrow.