FOUR ChatGPT TRENDS - Spring 2023

NATIONAL CONVERGENCE TECHNOLOGY CENTER

The list below summarizes IT trends discussed by the National CTC's BILT (Business and Industry Leadership Team) at the February 2023 web meeting. The purpose of these "trend talks" is to keep faculty – and their students – informed on the ever-evolving IT landscape. The February 2023 meeting focused primarily on ChatGPT.

1

ChatGPT is a powerful tool. GPT3 stands for 'Generative Pre-trained Transformer 3' – it's an advanced natural language processing AI model developed by OpenAI that uses deep learning techniques to generate human-like text. It's a powerful machine-learning model based on the Transformer model. Because it "doesn't know what it doesn't know," the way ChatGPT communicates can be deceiving. To train this model took as much power as needed to power San Francisco for a year.
ChatGPT's "pros" include:
* Ability to generate text from prompts with limited information
* Creates complete sentences and ideas
* Generates content with limited vocabulary
* Provides a response based on a single prompt
Learn more: https://www.businessinsider.com/everything-you-need-to-know-about-chat-gpt-2023-1
Create your own account: https://openai.com/blog/chatgpt

2

Educators may need to embrace ChatGPT. Educators are worried about ChatGPT's ability to support cheating and plagiarism. Companies like TurnItIn are working on new systems to identify ChatGPT-created content, but it won't be perfect; this is another battle in the ongoing "Cold War" between plagiarism/cheating and academic integrity. Several educators are dealing with this by openly building it into the classroom. If this tool is in the workplace, shouldn't students learn how to use it responsibly? For a programming class test, the instructor asks to not only see the code but also the ChatGOT prompt used to create the code because students still need to understand what underlying elements make the code work.
Learn more: https://www.forbes.com/sites/emmawhitford/2023/03/25/how-chatgpt-is-fast-becoming-the-teachers-pet/?sh=84ce6105177c

3

ChatGPT has the potential for huge disruption. Experts thought lower-level jobs would be the only ones replaced by machine learning and artificial intelligence tools, it looks now like could replace marketing jobs and other similar jobs that are typically reserved for human creatives.
Learn more: https://www.wired.com/story/yes-chatgpt-is-coming-for-your-office-job/

4

"Prompt engineering" and "fine tuning" are new specialized skills. While ChatGPT is powerful, users need to know how to create queries and write prompts to get the results they need. Knowing just how to do that may soon become a vital skill for business professionals.
Learn more: https://www.axios.com/2023/02/22/chatgpt-prompt-engineers-ai-job

For a deeper dive into these topics and others, download the February 2023 BILT meeting minutes, which can be accessed for free here: https://nationalctc.nationalctcwiki.org/bilt.