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THE AI REVOLUTION IS HERE: HOW MACHINES WILL TRANSFORM YOUR ENTIRE WORLD

GLENN TV | EP 250

Wednesday, February 8, 2023

The World Economic Forum is fast becoming the human version of those big annual tech or auto shows where you get a preview of the latest innovations. If you want a preview of coming attractions for humanity, watch the WEF's Davos conference. This is from a seminar at Davos last month by Duke professor Nita Farahany about new brain tracking technology that is able to:

- Decode faces you're thinking of
- Figure out who you're secretly in love with
- Decode the pin number to your bank account
- https://www.weforum.org/videos/davos-am23-ready-for-brain-transparency-english

You're not a unique person with a soul, wonderfully created in the image of God. You're just data. Do you hear the evil danger in that worldview? If you are reduced to data, then you can be hacked and programmed—or reprogrammed when necessary. If your actual thoughts can be decoded and exposed, then you're stripped of your humanity. You're just a pulsating cell blob plugged into the Matrix. You're a sheep.

Big Tech is already developing ground-breaking VR technology using AI that will join our thoughts to AI technology

- Google collects 39 different data points on individuals—more than any of the five Big Tech companies. But it's never enough. There's always more of you to be captured.
    - https://atlasvpn.com/blog/google-collects-almost-40-data-points-per-user-most-out-of-top-tech-giants
- Facebook Reality Labs: Wristband for AR "feel like magic."
    - https://www.youtube.com/watch?v=hc2ADtNgeCM
- Later this year, Apple is set to release their version their first AR-VR headset, allowing you to:
    - Manipulate Augmented Reality objects that are projected into real spaces.
    - Call a friend on your headset and it will look like they're standing in the room with everyone else.

- Starting cost: $3,000
- https://www.wired.com/story/apple-mixed-reality-headset-details-emerge/

China is already utilizing AI for brutal surveillance purposes

- Klaus Schwab says China is "a very attractive model"
  - https://www.youtube.com/watch?v=j6N8PJVdALM
- If China is the model for the world, what does it tell us about what's coming for humanity?
- First, there's the Left's fascination with Chinese cities, how they're redesigning them, and showing the rest of us rubes how to be civilized. The top feature of these cities is their massive surveillance network.
  - https://www.cnn.com/style/article/shenzhen-effect-china-model-city-intl-hnk/index.html
- It's estimated that over half of the one billion surveillance cameras in the world are in China.
  - https://www.nytimes.com/2022/06/21/world/asia/china-surveillance-investigation.html
- All of this surveillance is enhanced with Artificial Intelligence software.
  - https://www.reuters.com/world/china/china-uses-ai-software-improve-its-surveillance-capabilities-2022-04-08/
- China's president Xi Jinping has said he wants China to achieve AI supremacy by 2030.
  - https://www.theatlantic.com/magazine/archive/2020/09/china-ai-surveillance/614197/
- According to a report in the *Economist*, his strategy includes:
  - "…*an unprecedented rise in the number of new tech companies. The government is nurturing thousands of groups, big and small, in the fields of data science, network security and robotics.*"
  - One Chinese city registered over 2,500 new AI-development companies in 2021 alone. A northern Chinese city has registered over 860 new companies focused on robotics research.

- o https://www.economist.com/finance-and-economics/2022/04/16/xi-jinpings-bold-plan-for-chinas-next-phase-of-innovation
- The showcase of China's strategy is a brand-new city called Xiongan [John-gone] about sixty miles south of Beijing. The government has been building it from scratch over the past five years.
  - o https://www.youtube.com/watch?v=r67JU-oVdFw
- President Xi has called the city his: "*personal initiative*" and part of his "*thousand-year plan of national significance.*"
  - o https://foreignpolicy.com/2023/01/22/china-xi-xiongan-future-city/
- China's city of the future has been described as three cities—the city above ground, the city underground, and the city in the cloud. According to a Foreign Policy report, the "city in the cloud" is the city's:
  - o "…*digital twin, a virtual copy that is being built alongside the actual city's construction. The digital twin is supposed to allow for… algorithm-driven management of traffic and other urban systems… relying on pervasive surveillance technology.*"
  - o https://foreignpolicy.com/2023/01/22/china-xi-xiongan-future-city/
- A report in the *Atlantic* says:
  - o "*Server farms across China will soon be able to hold multiple angles of high-definition footage of every moment of every Chinese person's life.*"
  - o https://www.theatlantic.com/magazine/archive/2020/09/china-ai-surveillance/614197/
- It's Orwell's *1984* on steroids.
  - o "…*the city's design has SOCIAL ENGINEERING goals... [which calls for] cultivating a new Xiongan* [John-gone] *person with healthy mind, noble character, and artistic temperament… this plan would recenter the [communist] party's presence in everyday urban life while streamlining and modernizing the image of government bureaucracy.*"
  - o https://foreignpolicy.com/2023/01/22/china-xi-xiongan-future-city/
- Besides their social credit system, teams of undercover inspectors go around China grading cities on all kinds of things in order to be considered an official "Civilized" city.

- o https://www.businessinsider.com/china-social-credit-system-punishments-and-rewards-explained-2018-4
- To earn a good grade, "…*streets must be spotless and traffic orderly. Residents should exercise, donate blood and support "acts of justice"… Perhaps the top requirement is that a city do nothing to embarrass the party.*
  - o https://www.economist.com/china/2022/07/14/how-civilised-are-chinas-model-cities
- And sometimes, you even get to live at your factory involuntarily—like during a pandemic.
  - o https://www.youtube.com/watch?v=peVooTUAPrk
- Last year, during one of China's regular "zero-Covid" lockdowns, five thousand Shanghai workers were made to sleep on the floors at China's largest auto factory to keep production rolling.
  - o https://www.wsj.com/articles/shanghais-workers-sleep-on-floors-to-keep-factories-going-amid-covid-lockdown-11648809322
- And if you don't like your pay and working conditions under the zero-Covid regime, well, you can get beaten and detained, just like workers did three months ago at the largest iPhone factory in the world.
  - o https://apnews.com/article/technology-health-social-media-covid-apple-inc-de96ca707008f1ae48820ed573c56865
- Speaking of phones, a Chinese government regulation requires any person signing up for cellphone service to have their face scanned. So now, ALL of a phone's data is attached to a specific person's face.
  - o https://www.theatlantic.com/magazine/archive/2020/09/china-ai-surveillance/614197/
- Remember brain wave decoding technology?
  - o https://gizmodo.com/companies-in-china-are-using-brain-sensors-to-monitor-e-1825651539
- Chinese companies have been using it on their workers for several years already. And China has also found some other ways to use this… like in the classroom.
  - o https://www.youtube.com/watch?v=JMLsHI8aV0g
- China is in overdrive experimenting with unprecedented tools for social control using AI.

- o https://www.msn.com/en-gb/news/world/china-uses-mind-reading-ai-to-test-loyalty-of-communist-party-members/ar-AAZbrxV
- Last year, China's National Science Center published an article and video describing an AI system that can assess the loyalty of communist party members by analyzing facial expressions and brain waves.
  - o The tech will be used to help members be: "…*grateful to the party, listen to the party and follow the party.*"
  - o https://www.msn.com/en-gb/news/world/china-uses-mind-reading-ai-to-test-loyalty-of-communist-party-members/ar-AAZbrxV
- Party members are already required to use an indoctrination phone app called "Study to Make China Strong." You earn points by reading inspirational quotes from President Xi, watching videos of his speeches, and taking quizzes on Communist heroes.
  - o https://www.theguardian.com/world/2019/feb/15/chinas-most-popular-app-brings-xi-jinping-to-your-pocket
- The app has been called:
  - o "*Xi's high-tech equivalent of Mao Zedong's Little Red Book.*"
  - o https://www.washingtonpost.com/world/asia_pacific/chinese-app-on-xis-ideology-allows-data-access-to-100-million-users-phones-report-says/2019/10/11/2d53bbae-eb4d-11e9-bafb-da248f8d5734_story.html

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AI, robots, and job displacement…

- The Impact Will Be Real (Metaverse)
  - o https://www.youtube.com/watch?v=UgtZBa0NK0M
  - o https://www.youtube.com/watch?v=80IIEnSNwQc
- This video was released by scientists two weeks ago. It's a time lapse of a miniature liquid metal robot in the shape of a Lego figure. And they were able to melt it down. Maneuver it out of this cage. And then bring it back together and reform it into its original shape. It's in crude form, and still in early stages, but it's the same concept as the famous liquid robot character in *Terminator 2*.
  - o https://www.youtube.com/watch?v=ByaVHjZuyAI

- It's all fun and games until you have an actual war situation where Russia produced a deepfake video of Zelensky telling Ukrainian troops to surrender…
    - https://www.youtube.com/watch?v=X17yrEV5sl4
- Obviously, that's not a great deepfake. But it's not terrible quality – good enough that you can see the extreme danger of where this is headed.
- Here's an example closer to home – an American facial recognition company called Clearview AI. They created an application that can take a photo of a person and link it to all other public photos of that person.
    - https://www.washingtonpost.com/technology/2022/02/16/clearview-expansion-facial-recognition/
- Clearview's database has over three BILLION photos that they claim to have scraped from millions of websites. The *New York Times* says Clearview's database:
    - "…*goes far beyond anything ever constructed by the United States government or Silicon Valley giants.*"
    - https://www.nytimes.com/2020/01/18/technology/clearview-privacy-facial-recognition.html
- That same report says this Clearview AI technology includes:
    - "…*programming language to pair it with augmented-reality glasses; users would potentially be able to identify every person they saw. The tool could identify activists at a protest or an attractive stranger on the subway, revealing not just their names but where they lived, what they did and whom they knew.*"
    - https://www.nytimes.com/2020/01/18/technology/clearview-privacy-facial-recognition.html
- Guess who's already using Clearview AI, a lot, across America? Police departments. According to a report in *Wired* last year:
    - "*Across most of the U.S., neither police nor prosecutors are required to disclose when facial recognition is used to identify a criminal suspect.*"
    - "*In 2016, the Georgetown Center on Privacy and Technology said police in most US states had access to the tech and that photos of about HALF of U.S. adults were in a facial recognition database.*"

- o https://www.wired.com/story/hidden-role-facial-recognition-tech-arrests/

ChatGPT, Big Tech, and AI

- You've probably heard of Chat GPT by now. The "GPT" stands for "Generative Pre-trained Transformer. It's a website that uses AI to respond to requests. You can ask it to write an article about something, a song, jokes, almost anything. It's one of those rare times when something comes out that truly gives you a glimpse of how things are about to radically change.
  - o https://openai.com/blog/chatgpt/
  - o https://openai.com/
- It was launched last November by a company called Open AI. Open AI was started in 2015 by Peter Thiel, Elon Musk, Reid Hoffman and many others. Elon Musk left Open AI's board in 2018.
  - o https://www.cnbc.com/2018/02/21/elon-musk-is-leaving-the-board-of-openai.html
- After just two full months of operation, Chat GPT already has one hundred million active users—faster than Instagram and Tik Tok got to a hundred million.
  - o https://www.cbsnews.com/news/chatgpt-chatbot-tiktok-ai-artificial-intelligence/
- Microsoft was already an investor in Open AI, and last month committed another ten BILLION dollar investment.
  - o https://www.nytimes.com/2023/01/23/business/microsoft-chatgpt-artificial-intelligence.html
- Microsoft plans to incorporate AI, like Chat GPT, into all of its products.
  - o https://www.wsj.com/articles/microsoft-plans-to-build-openai-capabilities-into-all-products-1673947774
- This partnership has even Google scrambling, in what CNBC calls a "code red" effort to respond to the launch of Chat GPT.
  - o https://www.cnbc.com/2023/01/31/google-testing-chatgpt-like-chatbot-apprentice-bard-with-employees.html

- Two weeks ago, when BuzzFeed announced that it's going to use Chat GPT to help generate some of its content, its stock price more than doubled.
  - https://www.wsj.com/articles/buzzfeed-to-use-chatgpt-creator-openai-to-help-create-some-of-its-content-11674752660
- There are all kinds of ramifications of Chat GPT, including challenges for schools. How do you deal with an app that can spit out a paper on a topic in twenty seconds? But that may be the least of our problems.
  - https://www.wired.com/story/chatgpt-is-coming-for-classrooms-dont-panic/
- Chat GPT will displace an untold number of jobs in things like computer programming, basic email and writing functions, and even some legal tasks. CBS reported that Chat GPT was able to pass a law school exam and was able to write essays on:
  - "…*topics ranging from constitutional law to taxation and torts.*"
  - https://www.cbsnews.com/news/chatgpt-artificial-intelligence-chatbot-jobs-most-likely-to-be-replaced/
- We asked Chat GPT to write an essay about how Artificial Intelligence technology like Chat GPT will replace humans in many jobs, and here's part of what it had to say:
  - "*It will become increasingly difficult for humans to compete with AI in terms of speed, accuracy, and cost. As a result, many workers may find themselves out of a job, either because their job has been fully automated or because they can no longer perform their job duties as effectively as AI technology can.*
  - *…widespread job displacement could lead to increased poverty and social unrest, as people struggle to make ends meet in an economy where jobs are scarce.*"
- Unfortunately, Chat GPT is not wrong. Amazon has developed an AI robot called Sparrow that can already sort sixty-five percent of the one hundred million items in the company's inventory. Amazon says it now makes more industrial robots per year than any other company in the world. They are currently testing a new drone that will start delivering smaller packages next year. Delivery jobs may be obsolete in just a few years.
  - https://www.wired.com/story/amazons-new-robot-sparrow-can-handle-most-items-in-the-everything-store/

- The latest World Robotics report, which covers 2021, shows that an all-time high of over five hundred seventeen thousand NEW industrial robots were installed in factories worldwide.
  - https://www.automation.com/en-us/articles/october-2022/ifr-presents-world-robotics-report-2022
- If you're still not convinced about the reality of disappearing jobs, check out the incredible latest demonstration from robotics company Boston Dynamics…
  - https://www.bostondynamics.com/
- Atlas Gets a Grip
  - https://www.youtube.com/watch?v=-e1_QhJ1EhQ