

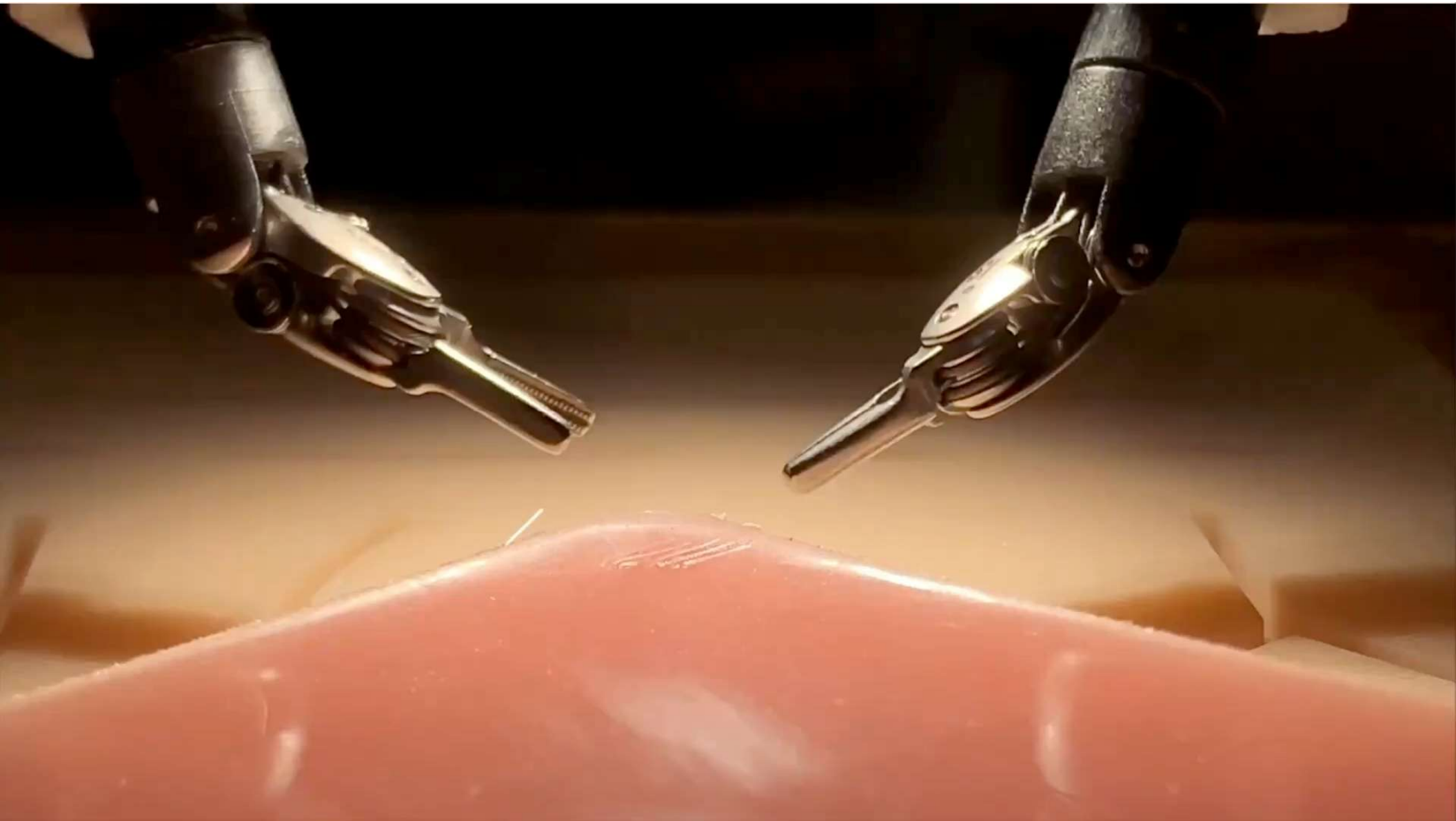
Superpower or Kryptonite: *AI Replacing Doctors*

Tom C. Nguyen, MD
Professor & Chair
Department of Cardiovascular Sciences at FIU
Chief Medical Executive | Miami Cardiac & Vascular Institute
Director of Minimally Invasive Valve Surgery
Barry Katzen Endowed Chair





The hardest things about heart surgery is a chance to do heart surgery.... (Norman Shumway)



The World is
Changing



FAST...



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ALMOST EVERYTHING IS SOLVEABLE



- 4-minute mile (Roger Bannister 1954)
- Breaking the sound barrier (Chuck Yeager 1947)
- Mapping the human genome (finished ahead of schedule and under budget in 2003)
- Autonomous driving?

JANUARY 22, 2026

WORLD
ECONOMIC
FORUM

WORLD
ECONOMIC
FORUM

WORLD
ECONOMIC
FORUM

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**ELON MUSK AND LARRY FINK SPEAK AT THE WORLD
ECONOMIC FORUM EVENT IN DAVOS, SWITZERLAND**

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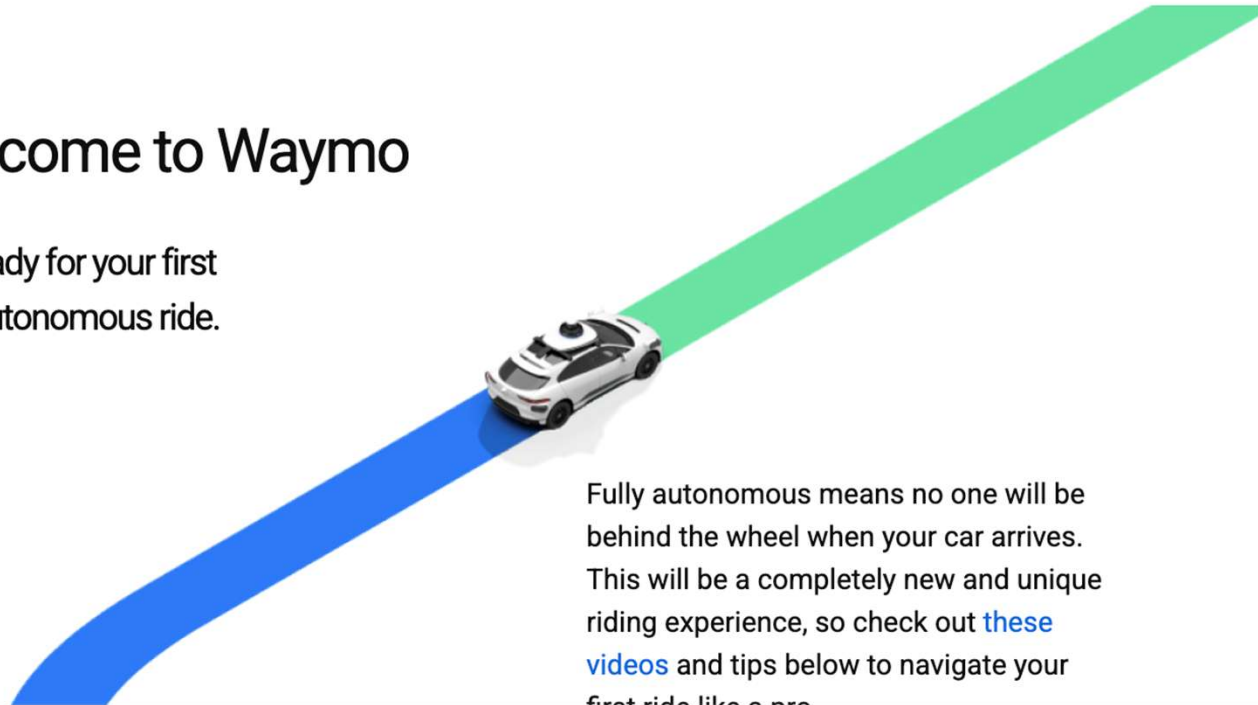
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Fully autonomous means no one will be behind the wheel when your car arrives. This will be a completely new and unique riding experience, so check out [these videos](#) and tips below to navigate your first ride like a pro.

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Published Wed, Mar 26 2025-9:05 AM EDT



Tom Huddleston Jr.

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Bill Gates speaks during an event promoting the Netflix docuseries "What's Next? The Future with Bill Gates" in New York City on Sept. 26, 2024. Source: Netflix

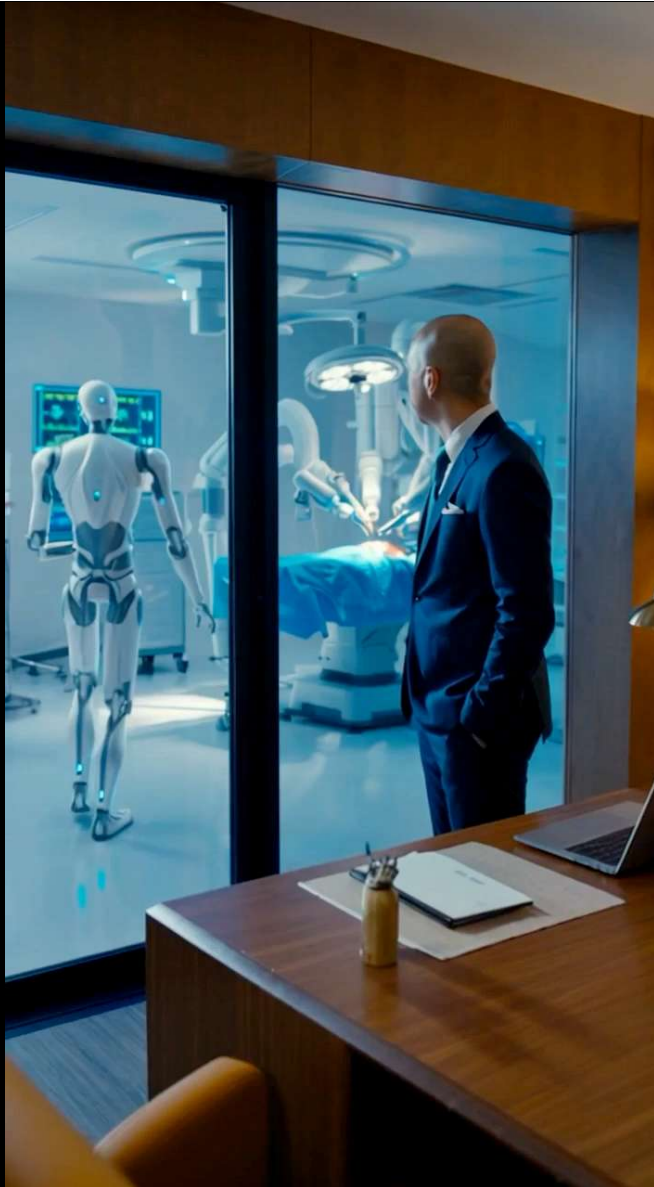


ALMOST EVERYTHING IS SOLVEABLE

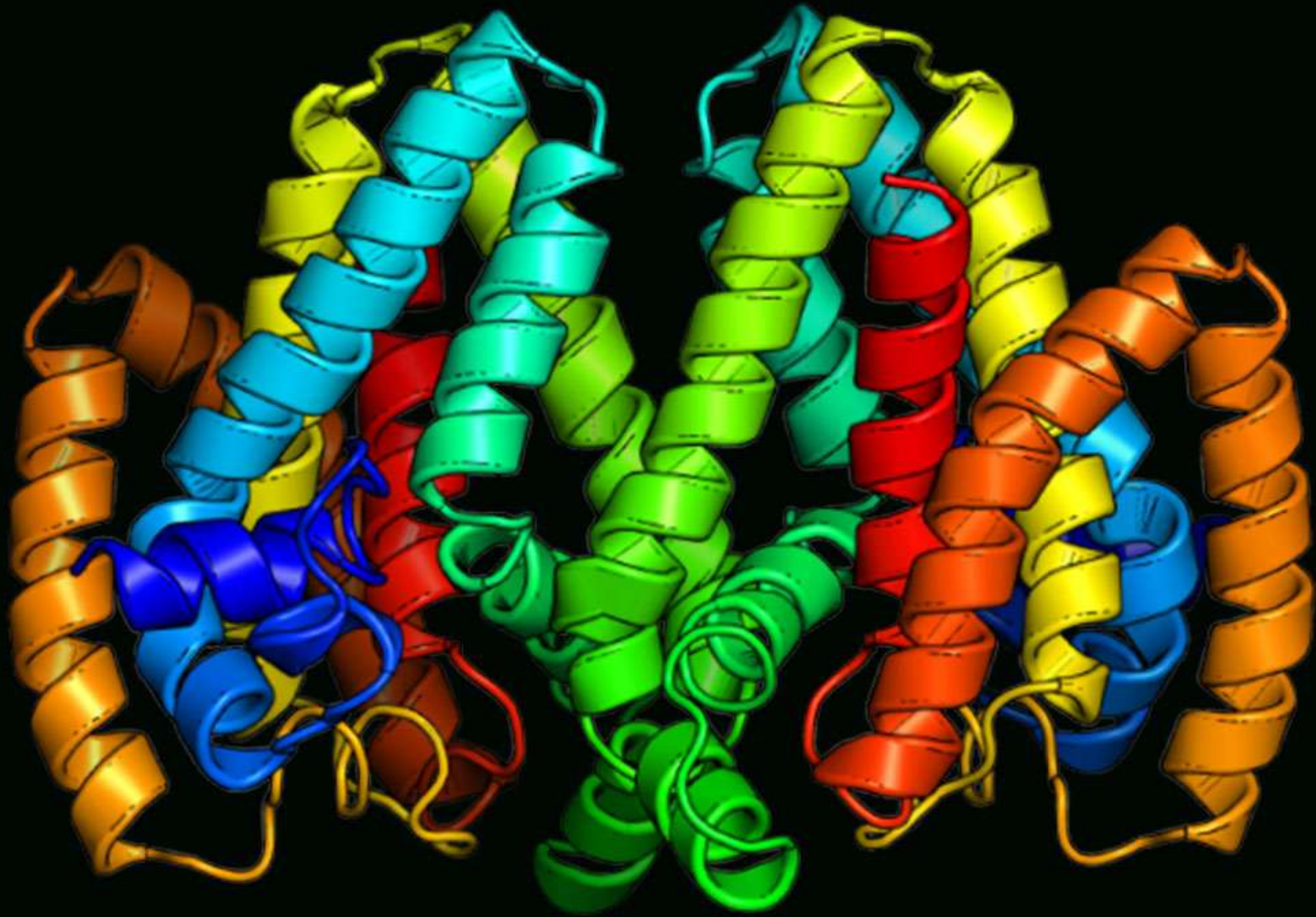


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- AI replacing physicians?
- AI replacing surgeons?

Future



AI in medicine



Science > Biology

Google's DeepMind AI Predicts 3D Structure of Nearly Every Protein Known to Science

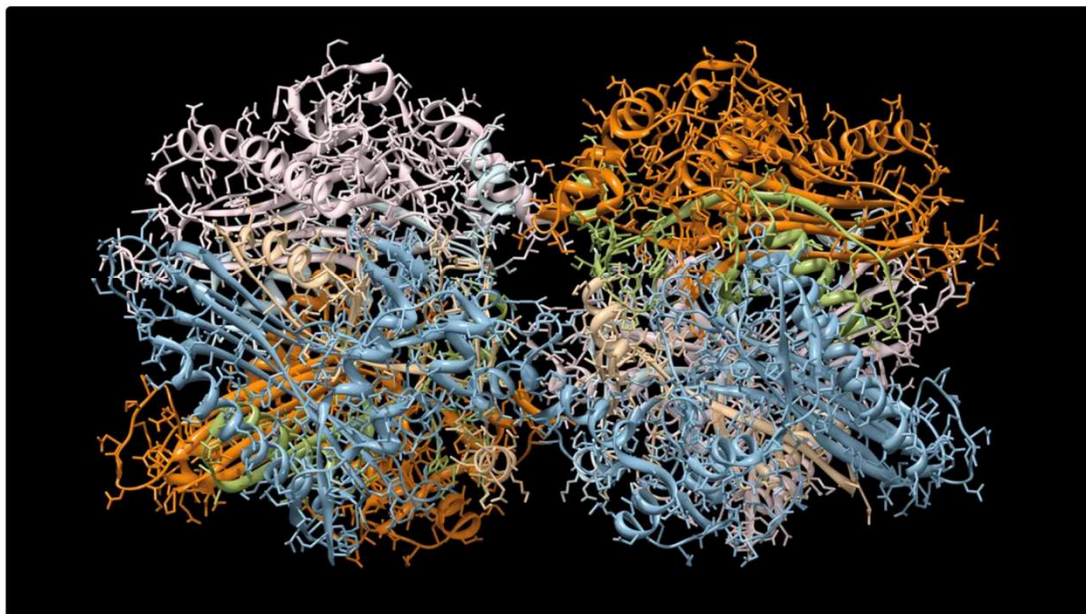
At last, the decades-old protein folding problem may finally be put to rest.



Monisha Ravisetti

July 29, 2022 11:18 a.m. PT

7 min read



This ribbon diagram shows the 3D protein structure of an antibody. Complex? It's pretty simple for an AI.

Gettv

OVER 200 million proteins found in plants, bacteria, animals, and humans.



Sequence of AF-A0A6G0H... Chain 1: Troponin T, A

MSEVGEVIEEMLEEEEEEIQQEEEGPAPQVEEPPVAEEETAEEEPAAEPPAEEDDTKPRPKAFAPP
IAVPKIPEGEKVFDDIHRKRQEKDLTELQSLIEAHFIQRKKDEEELIALVNRIEKRRRAEQQ
RVRAEQEKERQARVVEEKEKKEQEAEARKKQDEDAKKKKALTNMTQQYAGVQQRQEGKKGAKKQTE

Structure Tools

Structure

AF-A0A6G0HR01-F1

Type Model

Nothing Focused

Quick Styles

Default Stylized Illustrative

Components AF-A0A6G0HR01-F1

Preset + Add

Polymer Cartoon

Measurements

+ Add

Export Animation

Export Geometry



LASKER
FOUNDATION



AlphaFold – for predicting protein structures

2023 Albert Lasker Basic Medical Research Award



Demis Hassabis
Google DeepMind



John Jumper
Google DeepMind

15 September 2023

\$500 Billion: OpenAI Is the World's Most Valuable Startup

Valuation of the world's most valuable privately held companies



As of October 6, 2025
Source: Crunchbase



statista



ChatGPT





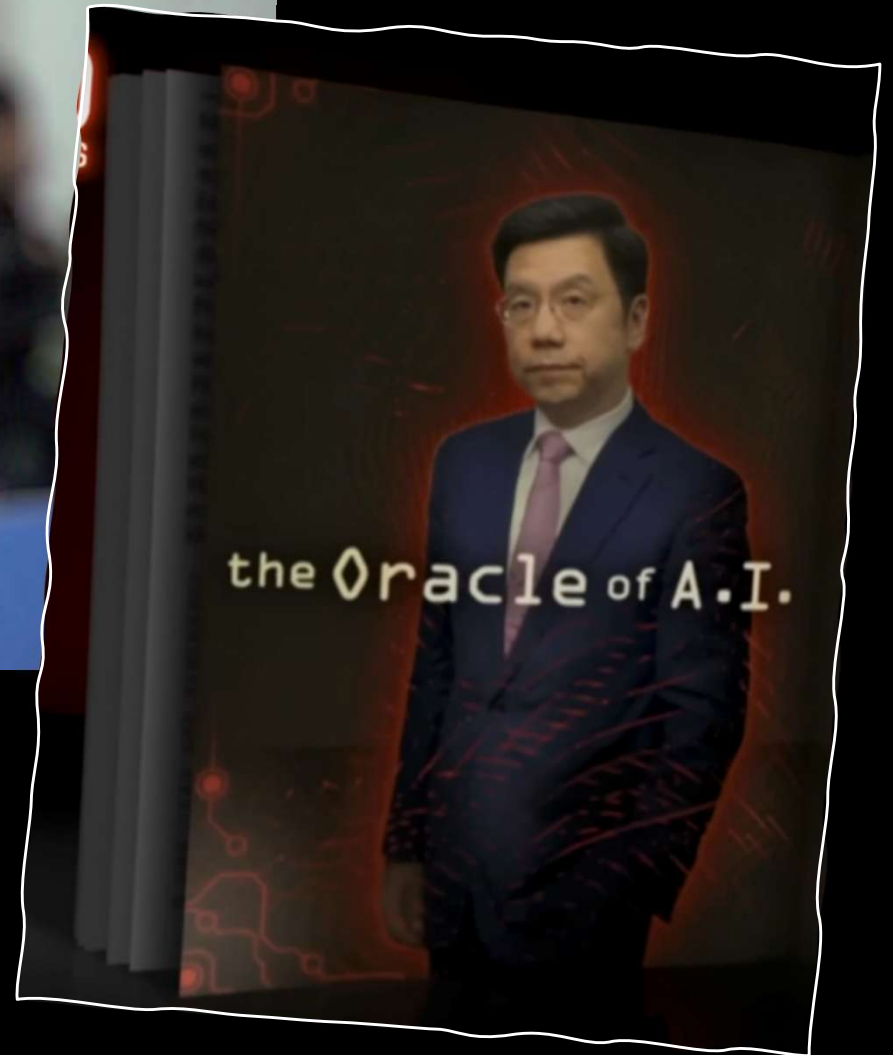


Sam Altman: CEO and co-founder of ChatGPT





Kai-Fu Lee



60
MINUTES

JANUARY 2019

The World is
Changing



FAST...

Will AI replace physicians?

AI will never replace physicians... but physicians who use AI will replace physicians who don't

AMA President Jesse Ehrenfeld

- What can you believe anymore?
- What is real? (does it matter?)
- How will AI transform our lives for the better?
- Will AI transform our lives for the worse?
- Will this be the downfall or rise of our human race?

Suno

Houston Aortic Symposium, Tony Estrera, AI will replace physicians, we are doomed.



