

# New Technologies SIG

## Tom Shepherd



# **NEW TECH SIG UPDATE**



# New TECH SIG

We need ideas

**All you have to do is send me an email about something you would like to learn more about at**

**[newtech@grandcomputers.org](mailto:newtech@grandcomputers.org)**

# New Technologies SIG

Meeting every month  
3<sup>rd</sup> Thursday 3:30

Contact Tom Shepherd for additional information at

[newtech@grandcomputers.org](mailto:newtech@grandcomputers.org)

# I have a topic for February but need your help for future sessions

Use Add button to add meeting

Action	Date	Time	Length	Location	Description	Action
<a href="#">Delete</a>	2023-01-19	3:30 PM	90	Chaparral Center, Computer Classroom	<b>Tech Toys Buying Guide</b> Find out all the latest and coolest devices,gadgets available today	<a href="#">Edit</a>
<a href="#">Delete</a>	2023-02-16	3:30 PM	90	Chaparral Center, Computer Classroom	<b>Highlights from the 2023 Consumer Electronics Show</b>	<a href="#">Edit</a>
<a href="#">Delete</a>	2023-03-16	3:30 PM	90	Chaparral Center, Computer Classroom	<b>TBD</b>	<a href="#">Edit</a>
<a href="#">Delete</a>	2023-04-20	3:30 PM	90	Chaparral Center, Computer Classroom	<b>TBD</b>	<a href="#">Edit</a>

There are many different ideas  
about trends, devices,  
technologies, that are in the  
forefront in 2023

Should we as a SIG tackle any of  
these?



# Here are some ideas proposed by a SIG member for future meetings

1. Home Alarm systems
2. Home security cameras and their use
3. Home Automation - all internet controlled - Apps
  - A. Water leak sensors
  - B. Smoke / Carbon monoxide alarms
  - C. Smart Thermostats
  - D. Light / plug switches
  - E. Hot water switches/plugs
  - F. Alexa and how it integrates
  - G. Garage doors on Internet
  - H. Sprinkler/Plant watering systems



# More ideas

- 4. EV Batteries, today and tomorrow
- 5. EVs
- 6. Home Networking
- 7. Wi-Fi extenders / Mesh networking
- 8. Latest TV technology / computer displays

# More ideas

9. Computers - low, medium, high end, cost, brands, where to buy

- A. Pcs
- B. Macs
- C. Laptops

10. Streaming services - TVs / Music / podcasts

- A. Advantage
- B. Costs
- C. Channels offered

# **This article describes the most important technology trends for 2023**

**(Thanks Leon)**

**See if these spark any interest**

**<https://www.simplilearn.com/top-technology-trends-and-jobs-article>**

# Here is an article from Forbes with 2023 tech trend predictions

<https://www.forbes.com/sites/bernardmarr/2022/11/21/the-top-10-tech-trends-in-2023-everyone-must-be-ready-for/?sh=2f0d3d557df0>



FORBES > INNOVATION > ENTERPRISE TECH

# The 10 Best Examples Of Low-Code And No-Code AI

**Bernard Marr** Contributor ⓘ

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# Low-code/No-Code AI

These terms are simply used to refer to tools that allow anyone to create AI applications without having to get their hands dirty writing technical code. AI can be useful to anyone in just about any job – from doctors and lawyers to marketers, teachers, and project managers. Many of these people will not have the technical skills needed to write code or the spare time to learn them.

STITCH FIX

Women

Men

Kids

Social Impact

FAQ

Gift Cards



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# Discovering styles you love just got easier

TAKE YOUR STYLE QUIZ

Wait, is it a subscription?

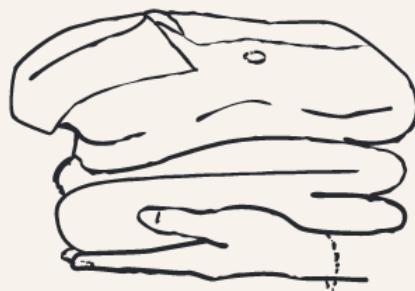
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## How Stitch Fix works



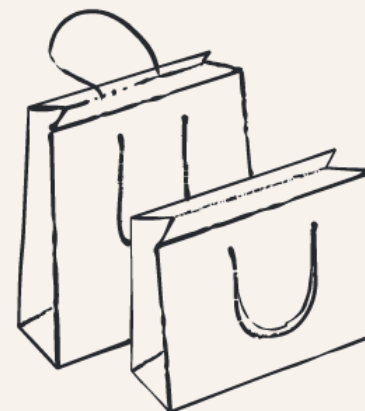
### Tell us about your style

Take a quick and easy style quiz to help us learn what you love.



### Get pieces picked just for you

Our stylists will send you pieces that reflect your style, fit and price points—plus expert guidance.



### Shop on your own in your personalized store

Discover new items and outfit suggestions every day.



# Here is the Hottest AI

## ChatGPT Will Be Everywhere in 2023

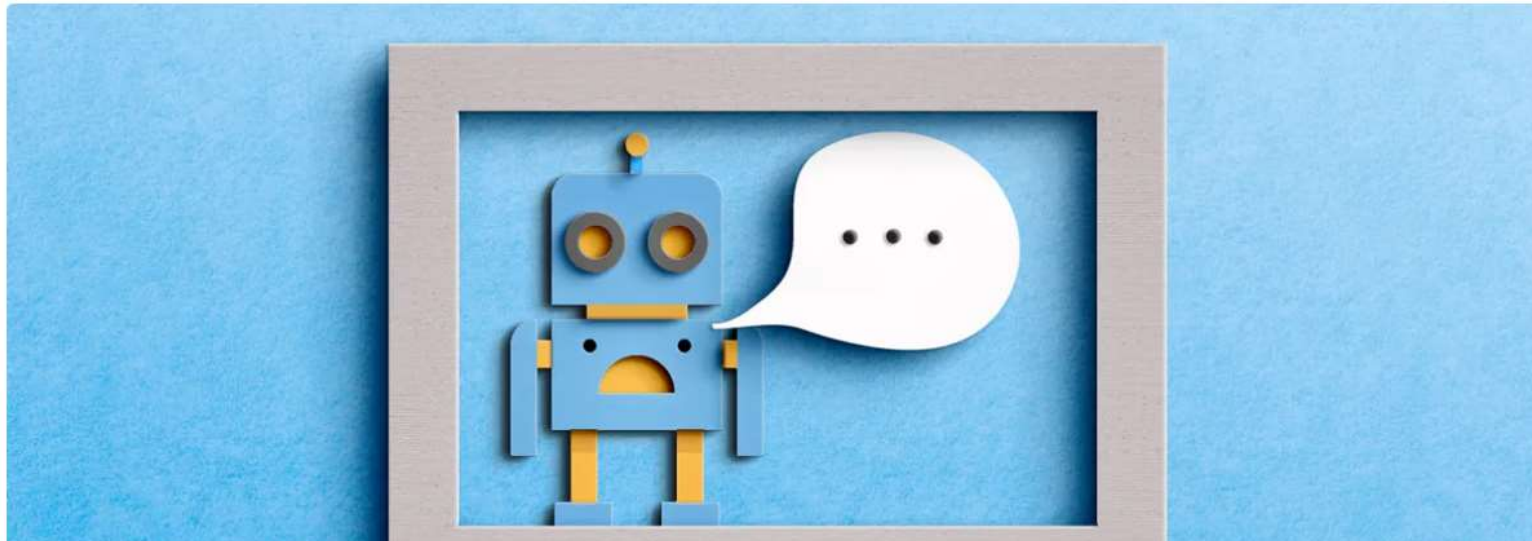
The chatbot is paving the way for search results far beyond anything you've come to expect -- and so much more.



**Lisa Eadicicco** 

Jan. 11, 2023 5:00 a.m. PT

8 min read



Technology

3 minute read · January 17, 2023 1:32 AM MST · Last Updated a day ago

# Davos 2023: CEOs buzz about ChatGPT-style AI at World Economic Forum

By Jeffrey Dastin



TECH

# Microsoft reportedly plans to invest \$10 billion in creator of buzzy A.I. tool ChatGPT

PUBLISHED TUE, JAN 10 2023•7:00 AM EST | UPDATED TUE, JAN 10 2023•6:44 PM EST



Ryan Browne  
[@RYAN\\_BROWNE\\_](#)

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## KEY POINTS

- Microsoft is set to invest \$10 billion in OpenAI as part of a funding round that would value the company at \$29 billion, news site Semafor reported Tuesday.
- Microsoft will reportedly get a 75% share of OpenAI's profits until it makes back the money on its investment, after which the company would assume a 49% stake in OpenAI.
- A bet on ChatGPT could help Microsoft boost its efforts in web search, a market dominated by Google.

In this article



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Netflix said co-CEO Reed Hastings will transition to executive chairman. The streaming giant added more subscribers than expected last quarter.

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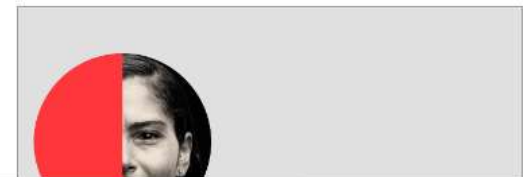
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## Microsoft Plans to Build OpenAI, ChatGPT Features Into All Products

Offering for businesses and end users to be transformed by incorporating tools like ChatGPT, CEO Satya Nadella says





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abolish stigma  
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DAVOS, Switzerland—[Microsoft](#) Corp. [MSFT -1.65% ▼](#) plans to incorporate artificial-intelligence tools like ChatGPT into all of its products and make them available as platforms for other businesses to build on, Chief Executive Satya Nadella said.

Speaking Tuesday at a Wall Street Journal panel at the World Economic Forum's annual event here in the Swiss mountains, Mr. Nadella said that his company will move quickly to commercialize tools from OpenAI, the research lab behind the ChatGPT chatbot as well as image generator Dall-E 2, which [turns language prompts into novel images](#). Microsoft was [an early investor](#) in the startup.



## ChatGPT: What it is and how it works

ChatGPT is a free chatbot that's available online as a research preview, which OpenAI says will allow the system to learn from real-world use. You can ask ChatGPT straightforward queries like "Show me healthy dinner ideas" or "What's the best way to answer the 'tell me about yourself' question in a job interview?" But ChatGPT can also do things like write poems, songs and essays. You can ask it to compose a holiday greeting card, organize your to-do list and even draft a resignation letter.

The AI is trained on large volumes of data from the internet written by humans, including conversations. But ChatGPT isn't connected to the internet, so it sometimes produces incorrect answers and has limited knowledge.

Here is one definition of ChatGPT

ChatGPT (Generative Pre-trained Transformer)[1] is a chatbot launched by OpenAI in November 2022.

It is built on top of OpenAI's GPT-3 family of large language models, and is fine-tuned (an approach to transfer learning[2]) with both supervised and reinforcement learning techniques.



From Wikipedia, the free encyclopedia

Transfer learning (TL) is a research problem in machine learning (ML) that focuses on storing knowledge gained while solving one problem and applying it to a different but related problem.[1] For example, knowledge gained while learning to recognize cars could apply when trying to recognize trucks.

# Here is another definition

ChatGPT is a large language model (LLM). Large Language Models (LLMs) are trained with massive amounts of data to accurately predict what word comes next in a sentence.

It was discovered that increasing the amount of data increased the ability of the language models to do more.

# Some more information

According to [Stanford University](#):

“GPT-3 has 175 billion parameters and was trained on 570 gigabytes of text. For comparison, its predecessor, GPT-2, was over 100 times smaller at 1.5 billion parameters.

This increase in scale drastically changes the behavior of the model — GPT-3 is able to perform tasks it was not explicitly trained on, like translating sentences from English to French, with few to no training examples.

<https://openai.com/blog/chatgpt/>



# There is also an AI to generate images

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YOU GET AN IMAGE, AND YOU GET AN IMAGE —

## DALL-E image generator is now open to everyone

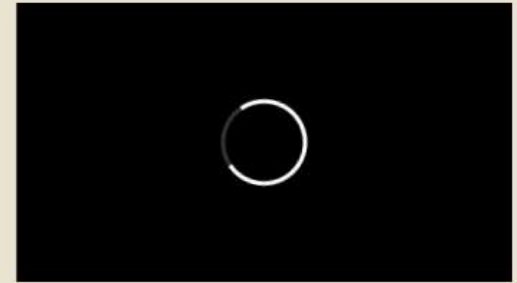
DALL-E launched frenzy of image synthesis development but was invitation-only until now.

BENJ EDWARDS - 9/28/2022, 10:33 AM



ARS VIDEO

How Scientists Respond to  
Science Deniers






# Dall-E Opens Its AI Art Creation Tool to Everyone

The artificial intelligence technology can turn text prompts into intriguing illustrations.



**Stephen Shankland** 

Sept. 28, 2022 10:59 a.m. PT

2 min read 



[://www.google.com/search?q=dall-e+youtube&rlz=1C1CHBF\\_enUS910US910&oq=dall-e+youtube&aqs=chrome.0.0i512j0i22i30l2.5447j0j15&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:f5bf80bd,vid:alJdw4JDJ4o](https://www.google.com/search?q=dall-e+youtube&rlz=1C1CHBF_enUS910US910&oq=dall-e+youtube&aqs=chrome.0.0i512j0i22i30l2.5447j0j15&sourceid=chrome&ie=UTF-8#fpstate=ive&vld=cid:f5bf80bd,vid:alJdw4JDJ4o)



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# Vote on Ideas

## Moving On

**Here are some nice websites I found  
that offer technology reviews,  
comparisons and descriptions**

# TechRadar

**This is a web site that the presentation by Joe Parla (to follow) references**

<https://www.techradar.com>

# Tom's Guide

<https://www.tomsguide.com/>



# CNET

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# Gizmodo

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