NextGen Products

The Notebook.

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In Focus

Agentic AI
What is it? How will it affect us?

This month, I've been to a couple of events where the theme of **Agentic AI** has been prevalent. But what is it, why should we care and how will it affect us?

Agentic AI is made up of autonomous, goal-oriented AI agents which can understand objectives and plan multi-step processes to achieve outcomes.

Google Gemini 2.0 is a great example of this – next year, you'll be able to ask it to plan a holiday (for example), and it'll come up with an itinerary, and even put it in your Expedia basket ready to check and purchase.

There are heaps of potential applications, from online shopping through to content creation, healthcare analysis and even complaining and managing subscriptions on your behalf!

You can read more about Agentic AI here:
https://www.uipath.com/ai/agentic-ai

[See Agentic AI in action here]

Got an idea?

We want to hear it – whether it's big or small!
Have a chat with <u>Andy J</u> and we can take it from there!

gsp

Did you know...?

We're building out a library of books all to do with design thinking and innovation. Want to borrow one?
[Check out what we have here]!

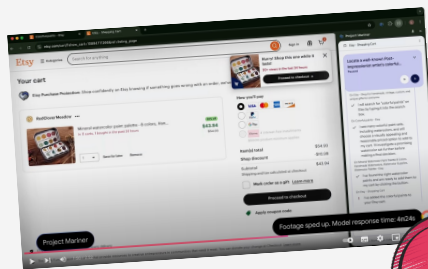## Are we about to enter the age of quantum computing?

Google has unveiled a Quantum Computing chip called 'Willow'

This is super experimental, but potentially a huge breakthrough in computing!

Quantum computing is exponentially faster than today's computing. The best computer might take 10 septillion (that's 10,000,000,000,000,000,000,000,000) years to complete an advanced calculation, whereas quantum computing can do the same calculation in under five minutes!

This could be massive for research in the future!

[Learn more!]

Gemini 2.0 is coming

It's a new LLM built for the agentic era – more on that over on the left! It can understand and retain memory, as well as complete actions such as putting things in a basket online.
https://blog.google/technology/google-deepmind/google-gemini-ai-update-december-2024/

ChatGPT now has 300million weekly users

ChatGPT's rapid growth to over 300 million weekly users (up from 50 million just 2 years ago!) is attributed to OpenAI's continuous enhancements, including an AI search engine and a new interface for code adjustments.
https://www.theverge.com/2024/12/4/24313097/chatgpt-300-million-weekly-users

We might be about to get better at weather forecasting!

GenCast, an AI model developed by Google DeepMind, surpasses traditional physics-based weather forecasting systems by using historical data to generate more accurate and faster predictions, particularly for extreme weather events.
https://deepmind.google/discover/blog/gencast-predicts-weather-and-the-risks-of-extreme-conditions-with-sota-accuracy/

FREE COFFEE for the first person to message Andy with something interesting they've learned this month!

Where we've been

The last of this year's conferences!

26th Nov: At the end of November, I attended the <u>Customer Engagement Summit</u> at the Brewery in Central London with Chris and Dan to learn about what other companies are doing to address customer problems.

28th Nov: 2 days later, I was at the Salesforce AI Centre hearing from the founding editor of Wired UK about <u>Agentic AI over breakfast</u>! All of the learnings from these events have been published online.

Question of the month!

Did Father Christmas bring you any exciting technology this year?
Let us know, and we might include you in the next notebook!