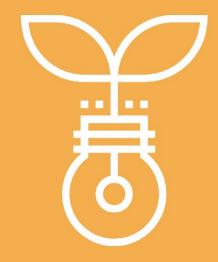
How ChatGPT impacts business Keynote Hogeschool Rotterdam

Tomorrow delivered Today

Digital people, AI technology



DIGITAL SUNDAI

Introducing Robin Zondag



Digital Sundai (3 years)

- Founder of Digital Sundai
- Boutique consultancy Business & Al
- Own people & eco-system
- Some clients: ABN AMRO, Siemens, VodafoneZiggo, ASML

Atos (22 years)

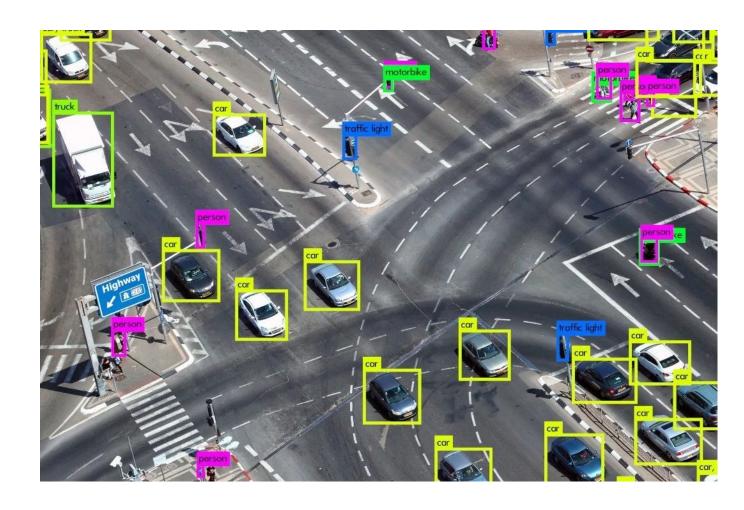
- Global head of Atos- Google AI labs
- Partner Global AI & Analytics
- Partner Digital Transformation Benelux & the Nordics
- Business Consultant

Traditional AI already achieved a lot

"Traditional" AI:

describe, predict, or prescribe something based on existing content:

- recognize patterns,
- predict client churn,
- forecast product demand,
- next-best-product recommendations...



.......GENERATIVE AI is a game changer

Generative Al:

algorithms that can create new content



LLMs (like ChatGPT):

one type of generative AI; generate novel combinations of **text in the form of natural-sounding language**.



Generative AI delivers new content in many forms

TEXT

Content writing, translation, answer to questions, scoring close to the top 10 percent of test takers in numerous tests, write articles, poetry, scripts, chatbots, search, analysis and synthesis...

CODE

Code generation, application prototype and design, data set generation

<u>3D</u>

00

3D object generation, product design and discovery

AUDIO

Text to voice generation, sound creation, audio editing, new music tracks, sound effects, and voice acting

VIDEO

Video creation, video editing, video translations and adjustments, face swap and adjustments

<u>IMAGE</u>

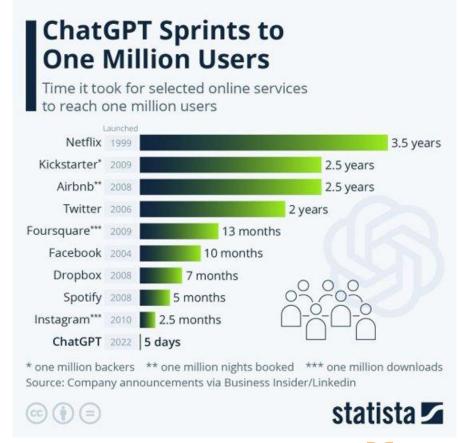
Stock image generator, image editor, winning digital-art awards, portrait based on a person's face, a new landscape based on existing scenery



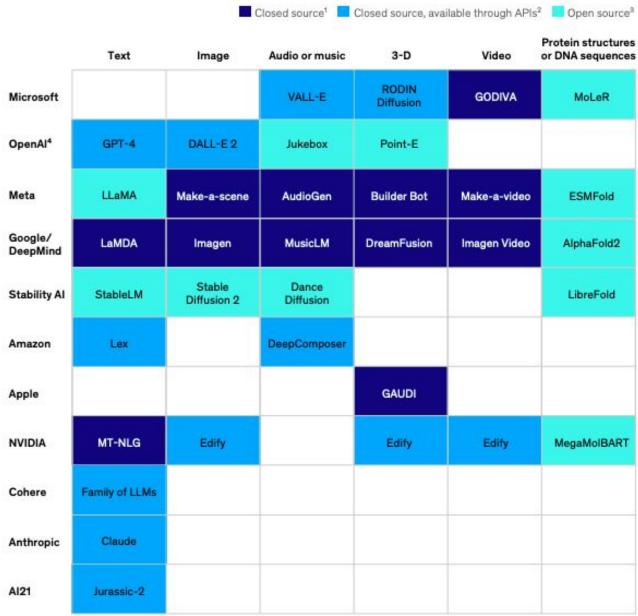
ChatGPT

LLM trained by OpenAI (November 2022)

- Al-powered chatbot using NLP
- Estimated value: US \$29 billion
- Fastest-growing app of all time



Early Providers of Generative Al



Generative AI comes with risks which need to be managed



Data breaches

Risks

Al generated deep fakes

Adversarial attacks

hallucinations

Copyright issues

Emergent properties

Ethical considerations

Accountability

Legal compliance

Managing hallucinations

Data privacy

Addressing emergent properties

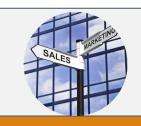
Governance

Initial Impact of Generative AI in Business



Customer service

Natural-sounding, personalized chatbots, virtual assistants



Marketing & Sales

SEO optimization

Generate content for campaigns

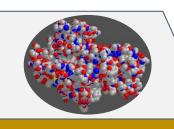
30% of outbound marketing messages in 2 years



IT

Write / explain code

Productivity increase more than 50%



Product development

Rapid product designs: From months to weeks! Innovative, cheaper, efficient products



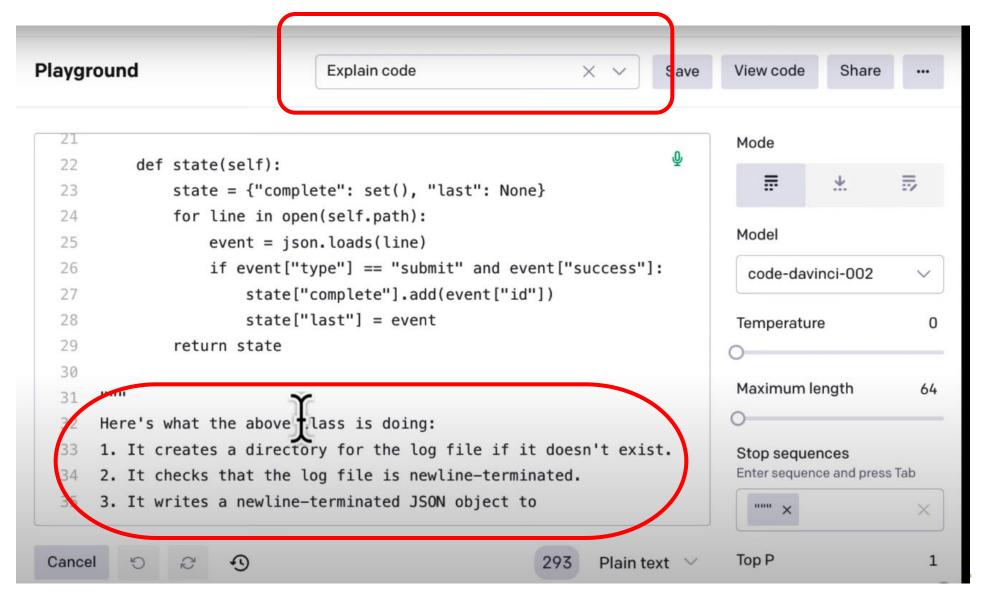
Legal & risk

Summarize changes
Answer questions
Pulling from legal documents
Drafting reports

Gen App Builder

helps you easily build next generation experiences in minutes

ChatGPT Business Use Case Example: Explaining Codes with OpenAl Playground



ChatGPT Business Use Case Example: Codes for Website and App Building

Hello! How can I assist you today? Do you have a specific request for creating a code for an app?

Yes, I need help creating a code for an app that can track my daily water intake.

Sure, I can help with that! Here's a Python code for a simple command-line app that can track your daily water intake:

```
python
                                                        门 Copy
import datetime
def main():
    # Get today's date
    today = datetime.date.today()
    # Load existing water intake data from file
        with open("water_intake.txt", "r") as f:
            data = f.read().splitlines()
            last_date, last_intake = data[-1].split(",")
            last_date = datetime.datetime.strptime(last_date,
"%Y-%m-%d").date()
            if last_date == today:
                today_intake = int(last_intake)
            else:
                today_intake = 0
    except (FileNotFoundError, ValueError):
        today_intake = 0
```

For my website, can you write an HTML code for a contact details form with the following fields: name, email address, and mobile number'.

Sure, here's an example HTML code for a contact form with fields for name, email address, and mobile number:

Create new content

Imagery requirements

Granola bar ingredients on table

Content requirements

We want to create a multi-media campaign that highlights the simple ingredients and sustainable sourcing practices from our most popular granola bar.

Generate



Targeted content generation

User input analysis Industry-specific adaptation



Content creation

Social media posts Email campaigns Advertisements



Personalized engagement

Real-time content editing Streamlined approval process

Imagery requirements

Granola bar ingredients on table. Add flour in the background.

Content requirements

We want to create a multi-media campaign that highlights the simple ingredients and sustainable sourcing practices from our most popular granola bar.



Preview B

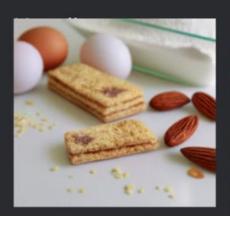
Images

















Instagram

Instagram CUSTOMIZE

Images









Captions

Our most popular granola bar is made with only 6 simple ingredients: organic oats, organic almonds, biodynamic local honey, organic whole grain flour, dried organic cranberries, and free-range eggs. #cymbalgranolabars #delicious #sustainable Looking for a delicious and sustainable snack? Look no further than Cymbal's new granola bar! Made with only six simple ingredients, our granola bar is the perfect snack for the conscious consumer. Plus, our packaging is made out of 100% compostable materials. So not only will you be enjoying a delicious snack, but you'll also be helping the environment. #cymbalgranolabar #sustainablesnacking #consciousconsumer #deliciousandsustainable

Our granola bar is made with only 6 simple ingredients and sustainably sourced from local farmers!
#granola #granolabar #organic
#sustainable #local #food #healthy
#snack #yumn





Lillan sassa

Images

Email









Captions

Hi [name],

I wanted to reach out and tell you a little bit about our granola bars. We believe in keeping things simple, which is why our bars are made with only six simple ingredients: organic oats, organic almonds, biodynamic local honey, organic whole grain flour, dried organic cranberries, and free-range eggs. We also believe in sustainability. That's why our packaging is made out of 100% compostable materials, and we use rainwater...

Hi,

□ Сору

At Cymbal, we believe that good food should be good for you and good for the planet. That's why we use only the simplest, most sustainable ingredients in our granola bars.

Our oats and almonds are grown using rainwater harvesting to reduce the need for irrigation. We use solar energy to power our irrigation systems and other farm equipment. And wherever we can...

Hi there,

Сору

We're excited to announce that our most popular granola bar is now even better! We're made some changes to the recipe to make it even more sustainable and delicious. Here's what's new: We're now using only 6 simple ingredients: organic oats, organic almonds, biodynamic local honey, organic whole grain flour, dried organic cranberries, and free-range eggs...





Our take on the future of Generative Al

