

# Artificial Intelligence and the future of scientific thinking

Artificial Intelligence.  
Resources and links.



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# Lectures on AI

AI history:

[AI History Infographics](#)

[Harvard Blog](#), [Wikipedia](#)

AI in business:

<https://www.facebook.com/sztucznainteligencjawnbiznesie>

[Microsoft AI Page](#)

Interesting AI projects on my [Flipboard AI](#)

Google+Collections: [AI Theory and Practice](#)

Some speculations about future [o przyszłości](#), [prezentacja 2016](#)

Other AI courses 2016/17

Stanford [CS 221](#), UC Berkeley [CS188 Intro to AI](#)

Waterloo [Artificial Intelligence I CS 3346A](#)

Uni Wrocławski [Artificial Intelligence - 2014/2015](#)

[Best intro slides](#)

# Links

[6 best free AI courses](#) in 2018 – all about machine learning.

[Machine Learning for musicians and artists](#) at Goldsmith College, London

[Class Central: many AI/ML courses](#)

<https://www.visirule.co.uk/> Build Intelligent Solutions with AI  
Legal, medical, financial and machine diagnostics demos.

<http://www.cs.cmu.edu/~ark/SEMAFOR/>

Open-source software developed for research purposes, SEMAFOR automatically processes English sentences according to the form of semantic analysis in [Berkeley FrameNet](#).

[FrameNet](#) maps meaning to form in contemporary English through the theory of Frame Semantics.

[Nature Research AI 2020](#) article collection.

[Nature Index 2020 Artificial Intelligence](#).

# AI in art

- Interesting AI/ML projects on my [Flipboard AI](#).
- Many tools for [text-to-image generation](#) (pharmapsychotic).
- [This Person Does Not Exist](#) artificial faces.
- [Digital Humans](#).
- The [First Thinking Sculpture](#): Inspired by Gaudí, by Watson.
- [Autodraw](#), drawing from poor sketch.
- [AI artwork sells](#) for \$432,500 (12/2018).
- [10 Amazing Examples Of How Deep Learning AI Is Used](#)
- [15 examples of AI in marketing](#).
- Reports on AI: The [European Artificial Intelligence landscape](#),
- [EU Digital Transformation 2021-27](#) plans
- [Communication: Artificial Intelligence for Europe](#)
- [Digital Poland: AI strategies \(in Polish\)](#)

# Examples of AI applications

- Forbes: [27 Incredible Examples of AI and Machine Learning](#) in practice: [Hello Barbie](#), [Coca-Cola](#) bot, [Heineken](#) bot.
- [Botsify](#) - bot assistants, from FAQ bots to tutoring bots.
- [Mika](#) - AI math tutor for higher education.
- [Snatchbot](#) for teachers, for classroom.
- [Ozobot](#) that can teach lessons to individuals about coding.
- [Chef Watson](#) from IBM
- [Project Malmo](#), AI in virtual reality.
- Google [Semantris](#) (word association);
- [Talk to Books](#), [Cyborg Writer](#),
- [Best Github projects](#) in data science and machine learning.
- Image restoration. deblurring, sharpening: [Topaz Labs](#).
- Shared autonomy: [3<sup>rd</sup> wave AI](#) (industrial)
- [Human-machine collaboration](#) in scientific research.

# Computational Creativity

## 6 AI Tools for music generation

AIVA – AI Virtual Artist, registered in France with an author's rights society (SACEM), many compositions in different styles.

AIVA YouTube channel and SoundCloud channel.

Google Magenta for music, CNET news.

## **Deep Art:**

<https://deepart.io/>

27 Incredible Examples Of AI And Machine Learning In Practice

Picbreeder, evolutionary art

What's the purpose of humanity if machines can learn ingenuity? (extract from Marcus Du Sautoy's book, The Creativity Code).

# Images & Movies

NVIDIA AI [turns crude doodles](#) into photorealistic landscapes

[Caricature generator](#)

Canal + Document [iHuman, Do you trust this computer?](#)

Myths and Facts [About Superintelligent AI](#)

[Michal Kosinski](#) research: recognize criminals, sexual preferences, personality evaluations, privacy issues.

My Flipboard Links:

[Art, Music, AI, Brain](#) | [AI CI an Machine Learning](#)

[Brain Hacking](#) | [Neuro-Tools & BCI](#) | [Neurofeedback](#)

[Quantum Computing](#)

Tutorial: [GitHub - HarfoucheLab/Ready-Steady-Go-AI](#) with example of plant diseases classification.

# Robots

Boston Dynamics demos: Atlas, Spot

## Self-Aware Robots

Soul Machines: BabyX - bringing together disciplines to bridge the digital and human world. Advanced CGI; Biologically Inspired Cognitive Architectures; Neuroscience; Cognitive Science; Developmental Psychology; Cognitive Linguistics; Affective Computing

## Advances in robotics.

Affectiva: Humanizing Technology.

Domestic robots: robotic vacuum cleaners, robotic lawn mowers, pool cleaners.

## Airborne military robots

Stop AI arms race ... Future of Life Institute



# NLP

Best chatbot that can write any text for you: [ChatGPT](#)

[Eliza](#) – classical bot from 1960s.

DARPA's Detection and Computational Analysis of Psychological Signals  
[\(DCAPS\) project](#) Medical prototypes.

Leena AI is an AI-powered HR Assistant

<https://leena.ai/case-studies>

More on my [Flipboard in AI CI ML](#)

[Futurepedia - The largest directory of AI tools](#)