

past experience will be forgotten; inability to get anything out of neural network apart from the result and understand how neural networks make decisions [2].

Initially, people created neural networks in order to recreate the mechanism of human brain functioning and surpass the capabilities of it. Anyway, that aim hasn't been achieved yet. Existing algorithms for neural networks are inferior to the capabilities of human brain.

People, who are involved in investigation and development of neural networks must have extensive knowledge and use non-standard methods, since neural networks still have many problems which don't allow to surpass possibilities of human brain. Neural network itself is not a "silver bullet" that can solve any problems and tasks without human participation. It is a comprehensive tool that, in the right hands, can do amazing things. And it still has everything ahead of it.

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WEIRD TOURIST ATTRACTIONS

Most tourist attractions are popular for obvious reasons. They are defined by superlatives — the biggest, oldest, most beautiful. But there are attractions that have become ones for less obvious reasons.

Some of these offbeat places are so odd or unusual that you can't help but want to see them. Strange and peculiar sights in the world are beyond counting! They are much better than the promoted locations speak about the character of the city and the mentality of its inhabitants. Let's go on a journey to find amazing places in different parts of our planet.

Nicolas Cage, the star of both renowned films and box-office flops, is known for his eccentric behavior. One of the examples of his quirks is his tomb in New Orleans. Back in 2010, Cage purchased two plots in the famed St. Louis Cemetery No. 1 in New Orleans. He used the space to

build a white, 9-foot-tall pyramid. There is no name on the pyramid yet, but it is emblazoned with the Latin maxim, “Omnia Ab Uno,” which translates to “Everything From One.”

Theories about the tomb abound: that Cage hid money from the internal revenue service inside or that he is counteracting a voodoo curse. Whatever his reasons, the Cage pyramid has already become an iconic part of the cemetery. A tradition has arisen of leaving lipstick kisses behind on the nameless tomb.

No one has seen Hell yet, all of us have our very own concept of it. A pit, situated within a natural gas fields in Turkmenistan, is better known as ‘Doorway to Hell’. It is called so because of the hellish fire burning since 1971. It all started when the Soviet geologists were exploring a natural gas field and the drilling rig soon collapsed. The scientists decided to burn off the poisonous gas methane. They considered it would be burnt off within days but to their surprise, the pit is still burning attracting a large number of researchers and tourists.

The Gum Wall is in Post Alley, a lane under Seattle's Pike Place Market. It's disgusting, for sure, but it's also colorful and bizarre.

The tradition of sticking gum on the wall here started in the 1990s when people waiting for shows stuck their gum on the wall. Eventually, the colorful additions stretched up and down the alley. As the wall grew, a variety of miniature self-contained artworks, names and symbols appeared in the gum. City officials scrapped the wall and steam-cleaned it in 2015. During the cleaning, they removed more than 2,000 pounds of gum. Almost immediately after they finished, people began adding new gum.

When you imagine walking through an English garden, you may picture greenery all around, and the sweet smell of roses. Well, you would have to adjust your expectations if you ever plan to visit the Poison Garden in Alnwick. At the entrance you will be greeted by a pair of big black gates with a sign that says “These Plants Can Kill.” However, you are not allowed to go in without a guide, and there is 24-hour security to ensure that. You are not allowed to touch, smell, or taste any of the plants. The Poison Garden currently holds an extensive collection of deadly plants. The most notable species on the list include strychnine tree, hemlock, extremely toxic belladonna, foxglove, and many others. They are here to educate the public, not harm people.

Do you know the story of The Island of The Dolls? Just south of Mexico City, between the canals of Xochimilco you can find a small island with a sad background. When a man named Don Julian Santana Barrera moved to the island to live as a hermit, he found a girl who had recently drowned in a nearby canal. Barrera felt haunted by the experience and be-

gan hanging dolls in the trees to appease the girl's spirit. Dolls on the island are threatening, even in the bright light of midday, but in the dark, they are especially disturbing. After 50 years of collecting dolls and hanging them on the island, Julian was found dead, drowned in the same spot where the girl did. After Julian's death in 2001, the island has become a tourist attraction.

This is what is so great about our world. Just when you think you've seen it all, just when you begin to think the world can no longer shock you, that it holds no secrets, that you've seen enough to never be surprised again – along comes a sight that changes everything.

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THE HISTORY OF PAPER: FROM ITS ORIGINS TO THE PRESENT DAY

The History of Paper: Chinese Origins. Cai Lun was a eunuch who entered the service of the imperial palace in 75 CE and was made chief eunuch under the emperor Hedi of the Dong Han dynasty in the year 89. About the year 105 Cai conceived the idea of forming sheets of paper from the macerated bark of trees, hemp waste, old rags, and fishnets. The paper thus obtained was found to be superior in writing quality to cloth made of pure silk, as well as being much less expensive to produce and having more abundant sources. [1]

The History of Paper: Reaching the Arab World. The Arab world discovered the secrets of papermaking in AD 751, when the governor-general of the Caliphate of Bagdad captured two Chinese papermakers in Samarkand and, with their help, founded a paper mill in the Uzbek city.