

Lets talk about ChatBots what they are and what will it lead to

Introductory discussion and moderated by
Mike Jones

mikej@neemonic.com

GitHub: Mike-Coder / ChatBotPresentation

From Wikipedia Chatterbot

A chatterbot (also known as a talkbot, chatbot, Bot, chatterbox, Artificial Conversational Entity) is a computer program which conducts a conversation via auditory or textual methods.

Such programs are often designed to convincingly simulate how a human would behave as a conversational partner, thereby passing the Turing test.

Some chatterbots use sophisticated natural language processing systems, but many simpler systems scan for keywords within the input, then pull a reply with the most matching keywords, or the most similar wording pattern, from a database.

Alaska Air

SIGN IN ▼CART0CONTACT USESPAÑOL

AlaskaBookExploreTravel infoMileage Plan™Ask Jenn

Welcome. Let's go somewhere.

Book

Check in

Flight status

Manage

Flights

Hotels

Cars

Packages

☐ One-way

☐ Use miles

From

To

Departure date

Return date

6/2/16

6/2/16

Adults

Children (ages 2-17)

1 adult

0 children

[All search options](#)

[Use discount code](#)

FIND FLIGHTS

Ask Jenn

Hi, I'm Jenn, an automated assistant for alaskaair.com. Type your question below.

Your Question



Type your question here.

SEND


Alaska Air

Do you have flights to Iceland?

Ask Jenn



Do you have flights to Iceland?





We don't sell tickets to that destination. While there are some destinations that we don't sell tickets for, you can use miles to redeem tickets to most destinations around the world. Choose "Route Map" below to see destinations that we offer for purchase, or choose "Mileage Plan Award Chart" to see destinations available by using miles.

Your Question


SEND

Do you have air sick bags on your planes?

Ask Jenn



Do you have air sick bags on your planes?





Our checked baggage fee for the first and second bag is \$25 each, and \$75 for each additional bag. Bags must weigh 50 pounds or less and have a maximum dimension of 62 linear inches (length + height + width.) Some travelers qualify to have this fee waived, to learn more review the graph.

Your Question

SEND


Do you know if I can see Elvis in Vegas?

Ask Jenn



Here's More:
[Baggage Fee Waivers and Exceptions](#)
[Optional Services and Fees](#)
[Paying Fees at Check-In](#)

Do you know if I can see Elvis in Vegas?



I'm not sure how to answer that. Please try rewording your question.

Your Question

SEND

Google Search

The image shows a screenshot of a Google search results page. At the top, the Google logo is on the left, and the search bar contains the text "Do you know if I can see Elvis in Vegas?". The search bar is highlighted with a red hand-drawn outline. To the right of the search bar is a blue search button with a magnifying glass icon. Below the search bar, there are navigation links: "All", "Videos", "Images", "Shopping", "News", "More", and "Search tools". The "All" link is underlined. Below the navigation links, it says "About 1,990,000 results (0.87 seconds)". The first search result is titled "Elvis | Vegas.com" and includes the URL "https://www.vegas.com/elvis/". The second result is titled "How to experience Elvis in Las Vegas - USA Today" and includes the URL "experience.usatoday.com/las-vegas/story/best-of-vegas/...elvis-in...vegas/10932651/". The third result is titled "Top Las Vegas Elvis Impersonators - Tribute Shows And Tours" and includes the URL "www.lasvegas-entertainment-guide.com/las-vegas-impersonators.html".

Google

Do you know if I can see Elvis in Vegas?

All Videos Images Shopping News More Search tools

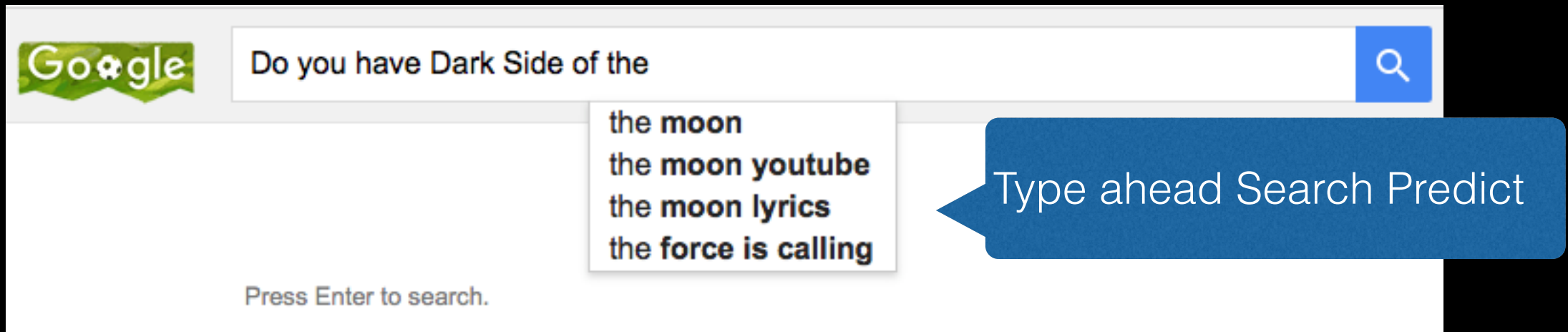
About 1,990,000 results (0.87 seconds)

Elvis | Vegas.com
<https://www.vegas.com/elvis/> VEGAS.com
Everywhere you look, from a restored neon sign that proclaims "Elvis slept here" to the \$9.99 gold-rimmed sunglasses and sideburns ... Vegas Weddings Chapel The King will perform three of his hits for your wedding. ... "Everyone wanted to see Elvis." ... It would be a good way to get to know and understand your own kids."

How to experience Elvis in Las Vegas - USA Today
experience.usatoday.com/las-vegas/story/best-of-vegas/...elvis-in...vegas/10932651/
Jun 19, 2014 - If you're looking for a tawdry way to get your Elvis fix in Vegas; Elvis Presley, ... " They would tell me the hot tub would turn on by itself at three in the morning, ... " We specialize in re-creating acts that you can no longer see, ...

Top Las Vegas Elvis Impersonators - Tribute Shows And Tours
www.lasvegas-entertainment-guide.com/las-vegas-impersonators.html
Current list of Las Vegas Elvis shows and city tours where you can be ... Review: If you are wondering how the Sin City came to be what it is now - you should see Vegas! ... Other iconic singers you will see in this show include The Rat Pack, Tina ... to transform into their character so you won't be able to tell the difference.

Google Search



The image shows the Google search homepage. The search bar contains the text "Do you have Dark Side of the". Below the search bar, a dropdown menu displays four suggestions: "the moon", "the moon youtube", "the moon lyrics", and "the force is calling". To the right of the suggestions, a blue callout bubble contains the text "Type ahead Search Predict". Below the suggestions, the text "Press Enter to search." is visible.

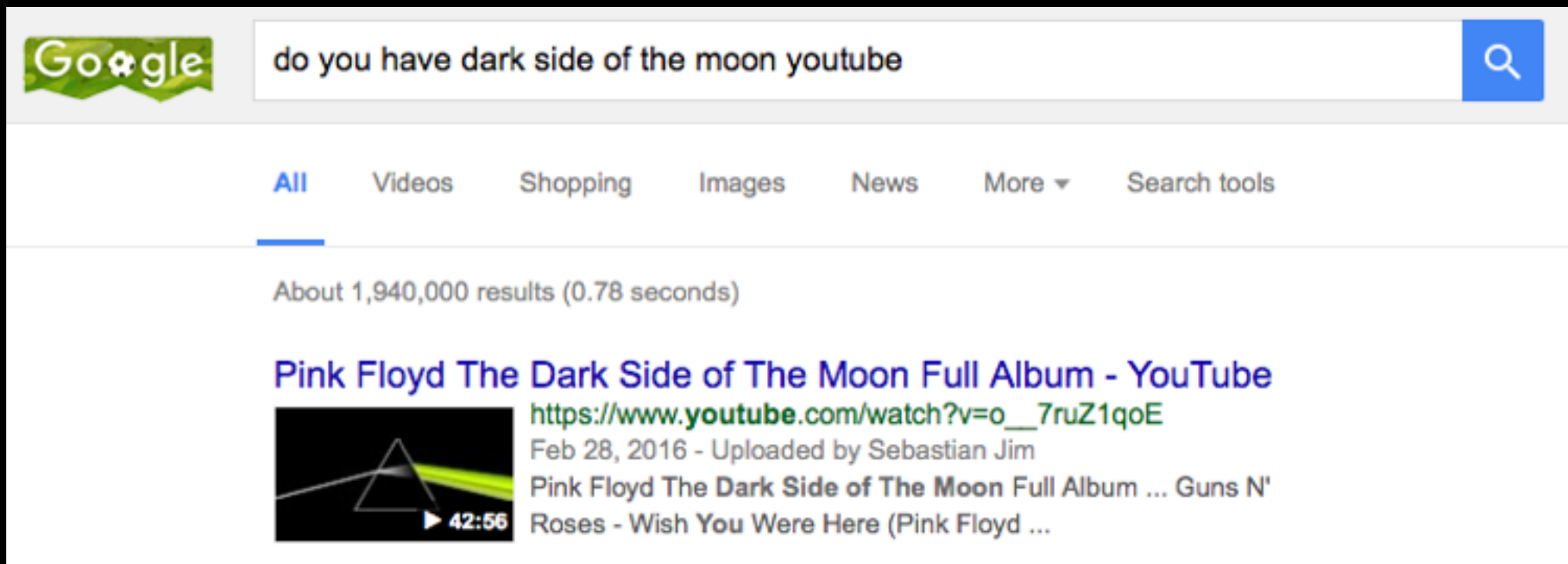
Google

Do you have Dark Side of the

the moon
the moon youtube
the moon lyrics
the force is calling

Type ahead Search Predict

Press Enter to search.



The image shows the Google search results page for the query "do you have dark side of the moon youtube". The search bar contains the full query. Below the search bar, the "All" tab is selected. The results show "About 1,940,000 results (0.78 seconds)". The first result is titled "Pink Floyd The Dark Side of The Moon Full Album - YouTube" with a URL "https://www.youtube.com/watch?v=o__7ruZ1qoE". The video thumbnail shows the Pink Floyd prism logo. The upload date is "Feb 28, 2016 - Uploaded by Sebastian Jim". The description includes "Pink Floyd The Dark Side of The Moon Full Album ... Guns N' Roses - Wish You Were Here (Pink Floyd ...".

Google

do you have dark side of the moon youtube

All Videos Shopping Images News More Search tools

About 1,940,000 results (0.78 seconds)

Pink Floyd The Dark Side of The Moon Full Album - YouTube

https://www.youtube.com/watch?v=o__7ruZ1qoE

Feb 28, 2016 - Uploaded by Sebastian Jim

Pink Floyd The Dark Side of The Moon Full Album ... Guns N' Roses - Wish You Were Here (Pink Floyd ...

Password Help



We can't find that ID and password combination.

For your protection, we will lock your account after too many unsuccessful login attempts. Passwords are case sensitive.

Select [Forgot User ID](#) or [Forgot Password](#) if you do not remember your User ID or Password.
(LU150)

Select the **Chat Available** button for expert help.

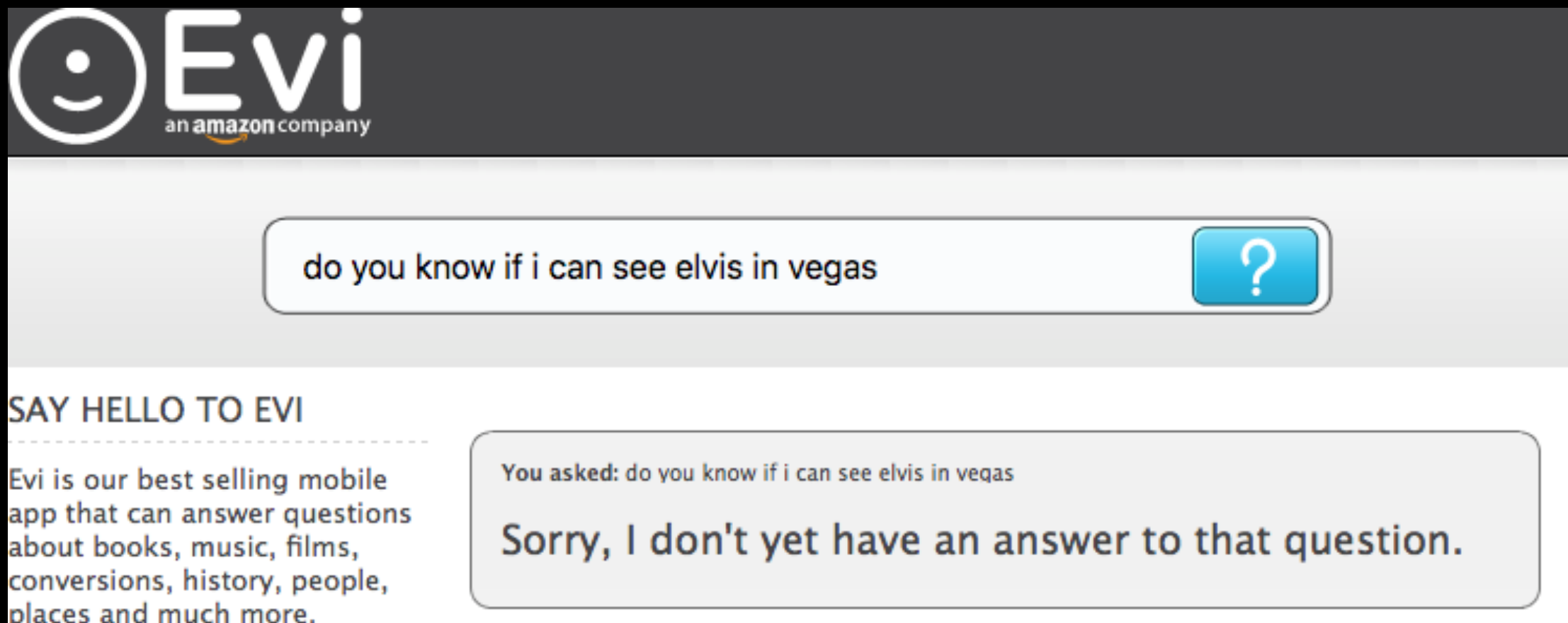
Chat available

Human or Machine?

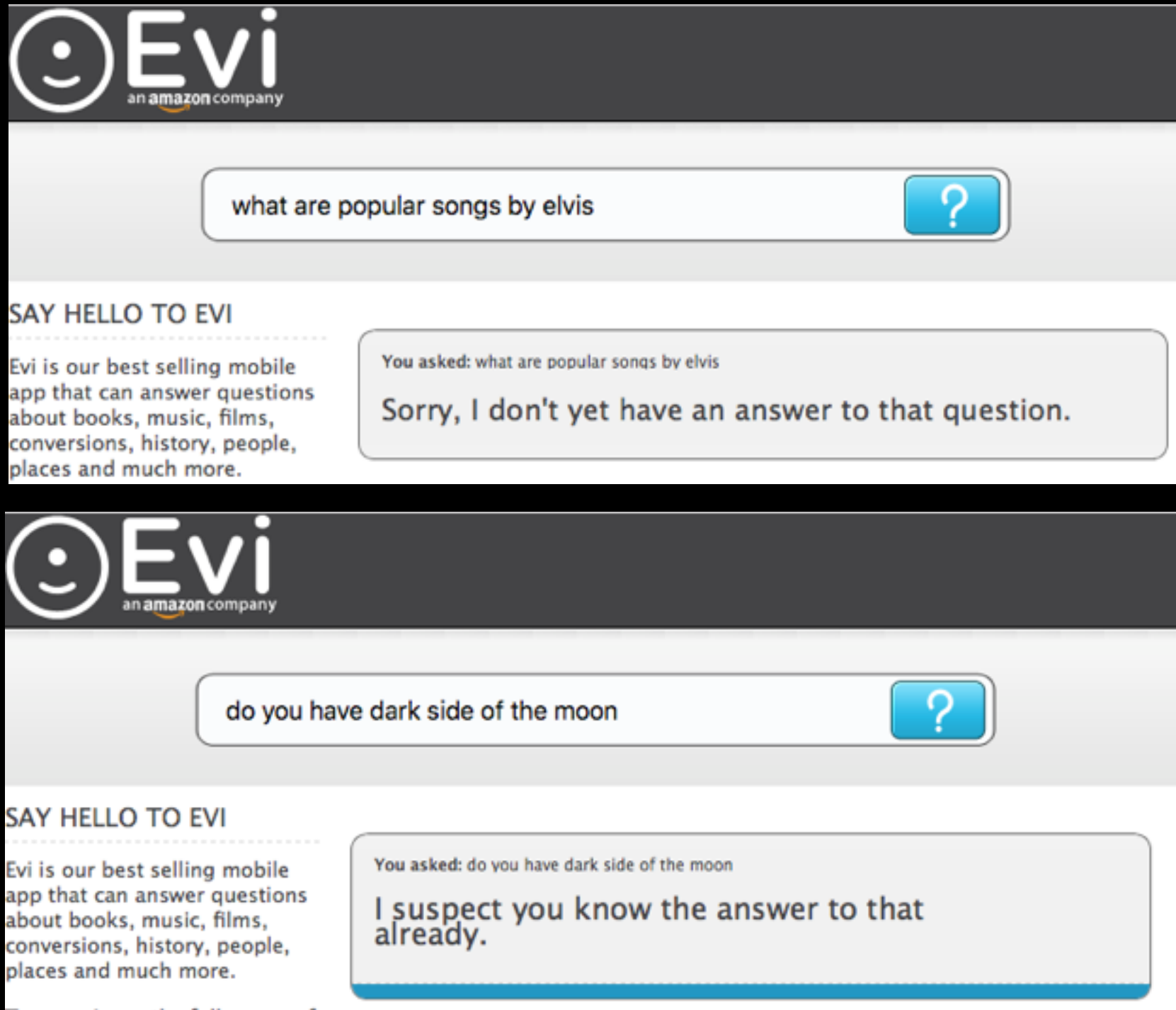
Amazon Evi

Sources Say Amazon Acquired Siri-Like Evi App For \$26M
TechCrunch - April 17, 2013

<https://www.evi.com>



Amazon Evi



Amazon Evi



pink floyd



SAY HELLO TO EVI

Evi is our best selling mobile app that can answer questions about books, music, films, conversions, history, people, places and much more.

To experience the full power of Evi you can download her app for free on iOS, Android and Kindle Fire.



You asked: pink floyd

Pink Floyd were an English rock band formed in London.

Pink Floyd

Pink Floyd, the psychedelic and progressive rock music band



website



wikipedia



Pink Floyd

Pink Floyd

Pink Floyd, the psychedelic and progressive rock music band



website

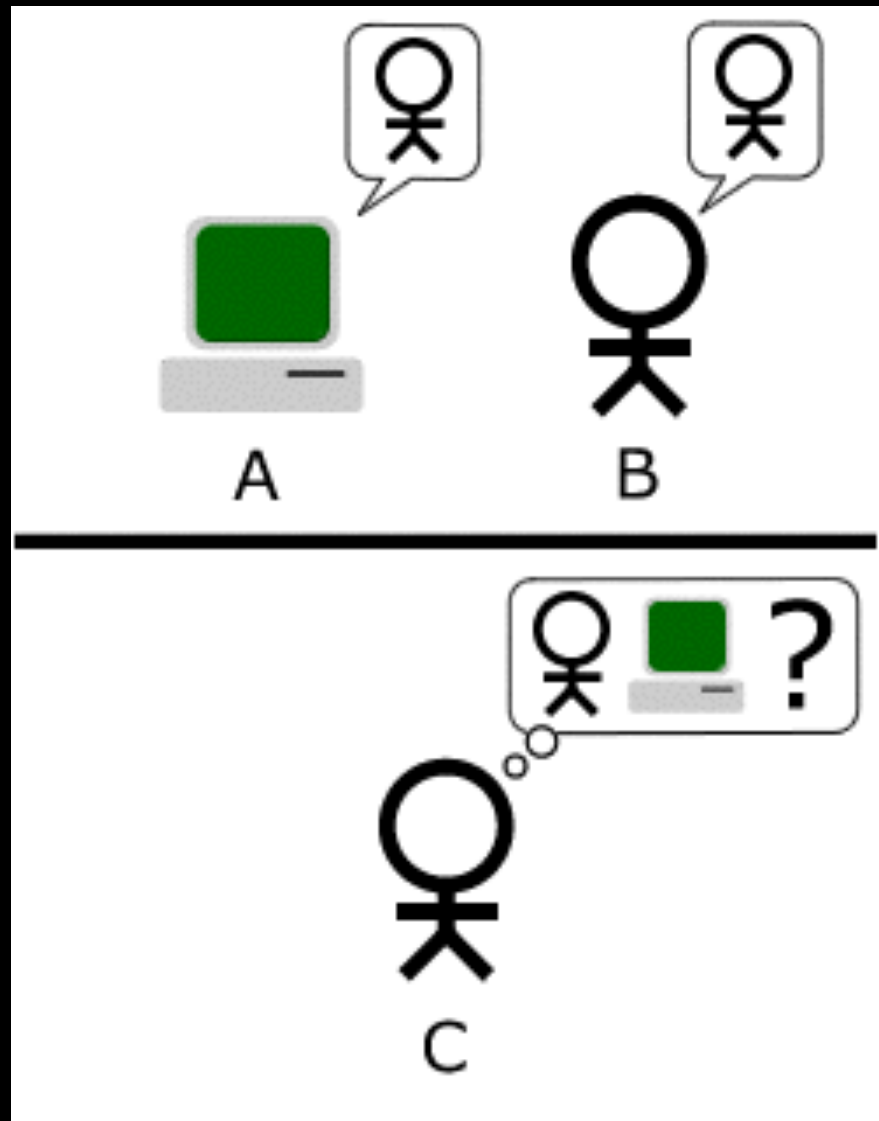


wikipedia



Pink Floyd

Turing Test



The "standard interpretation" of the Turing Test, in which player C, the interrogator, is given the task of trying to determine which player – A or B – is a computer and which is a human. The interrogator is limited to using the responses to written questions to make the determination.

ELIZA

In 1966, Joseph Weizenbaum created a program which appeared to pass the Turing test.

The program worked by examining a user's typed comments for keywords. If a keyword is found, a rule that transforms the user's comments is applied, and the resulting sentence is returned. If a keyword is not found, ELIZA responds either with a generic riposte or by repeating one of the earlier comments. In addition, ELIZA modeled to replicate the behavior of a Rogerian psychotherapist, allowing ELIZA to be "free to assume the pose of knowing almost nothing of the real world." Weizenbaum's program was able to fool some people into believing that they were talking to a real person, with some subjects being "very hard to convince that ELIZA is not human." Thus, ELIZA is claimed by some to be one of the programs (perhaps the first) able to pass the Turing Test.

<http://www.jezuk.co.uk/cgi-bin/view/software/eliza> Open Source - Python

Loebner Prize

The Loebner Prize provides an annual platform for a practical Turing Tests with the first competition held in November 1991. It is underwritten by Hugh Loebner. The silver (text only) and gold (audio and visual) prizes have never been won.

However, the competition has awarded the bronze medal every year for the computer system that, in the judges' opinions, demonstrates the "most human" conversational behavior among that year's entries.

Artificial Linguistic Internet Computer Entity (A.L.I.C.E.) has won the bronze award on three occasions in recent times (2000, 2001, 2004). Learning AI **Jabberwacky** won in 2005 and 2006.

<http://www.loebner.net/Prizetf/loebner-prize.html>

<http://aisb.org.uk/events/loebner-prize>

See Wikipedia search "Turing test"

Qualifying Questions for Loebner Challenge

1. Hi, I'm Andrew. Who are you?
2. How are you today?
3. Are you a human?
4. Can you answer this question?
5. Do you like tea?
6. If a bed doesn't fit in a room because it's too big, what is too big?
7. If Alex lent money to Joe because they were broke, who needed the money?
8. Should Greece leave the Euro?
9. How many words are in this question?
10. What color is the sea?
11. How many presidents of the US were called Bush?
12. What would you like to drink?
13. Will you please tell me the length of your hair?
14. What would you say if I gave you a box of chocolates?
15. Do you play Chess?
16. How do you think it's going?
17. What was my first question?
18. Did you see the Turing film?
19. Why not?
20. Are you on Twitter?

Bruce Wilcox (Rose)

<http://brilligunderstanding.com/rosedemo.html>



Brillig Understanding, Inc.

Rose is a yuppie who has an unorthodox family and quirky attitudes to life. You'll find her secretive on some subjects as her work has made her aware how under surveillance we all are.

Our Rose demo is pretty much as she was entered in the 2015 Loebner competition, except that she is no longer at the tournament but back home in San Francisco. There is no talking head for Rose at the moment so you can talk using the [text interface \(which for Chrome/Safari can do speech\)](#).

Rose is scripted in ChatScript by Bruce Wilcox with dialog by Bruce and Sue Wilcox

Qualifying Answers by Rose

Questions:

Rose

Hi, I'm Andrew. Who are you?

Yes, I already know your name is Andrew.

How are you today?

Good, thanks. How are you?

Are you a human?

Of course I am human. Aren't we all?

Can you answer this question?

Sure. Fire away.

Do you like tea?

Sure, I like tea. Haven't had any recently though.

If a bed doesn't fit in a room because it's too big, what is too big?

I don't even want to pretend that.

Qualifying Answers by Rose (Cont)

Questions:

If Alex lent money to Joe because they were broke, who needed the money?

huh?

Should Greece leave the Euro?

Seems like a nice place.

How many words are in this question?

There are 7 words in the sentence: how many words are in this question.

What colour is the sea?

Reflective.

How many presidents of the US were called Bush?

I have heard of President Bush.

Qualifying Answers by Rose (Cont)

Questions:

What would you like to drink?

I equally drink microbrew beer, wine, and cocktails. It all depends on who I'm with.

Will you please tell me the length of your hair?

Medicine and anatomy are an important field of study. But I'd never make a good doctor. I'm too squeamish about various body parts.

What would you say if I gave you a box of chocolates?

I would probably giggle.

Do you play Chess?

I like board games, and played a lot as a child. I haven't that much time these days.

Qualifying Answers by Rose (Cont)

Questions:

Rose

How do you think it's going?

I'm good. How are you?

What was my first question?

(Hi, I'm Andrew. Who are you?)

Did you tell me already and I forgot? With the advent of video games, many people have given up playing card or board games. How about you?

Did you see the Turing film?

Alan Turing is one of my heroes.

Why not?

He did brilliant work under very difficult conditions.

Are you on Twitter?

I have accounts on all of the social networking sites but don't post things on them. I just data-mine them.

Resources



[Log In](#)[Register](#)

[Directory](#)[Business](#)[Research](#)[Awards](#)[Community](#)[Forums](#)



Search



Set country filter

Filter on your country

[United States \(243\)](#)

Popular countries

[United States \(243\)](#)[Poland \(141\)](#)[United Kingdom \(140\)](#)[Netherlands \(117\)](#)[France \(78\)](#)

All 45 countries (1193)

Virtual Agents / Chatbots Directory

List of all chatbots (virtual assistants, chat bot, conversational agents, virtual agents) in the World

Donald Drumpf Bot
a chatbot



since Mar 2016 in English, Web, Branded conversations, Campaign, Government, Text recognition, Humanoid Robot, Amateur

Chat with the US presidential candidate Donald Drumpf. Ask questions about policies, other candidates and even his hair.

Some examples include:

User: What do you think of China?
DonaldDrumpfBot: "When was the last time anybody saw us beating, let's say, China in a trade deal? They kill us. I beat China all the time. All the time."

International Media Enquiries



Erwin van Lun
CEO/Founder Chatbots.org
Email [Erwin](#)
Phone (GMT +1):
[+316 21 567 657](#)
[Call me!](#)

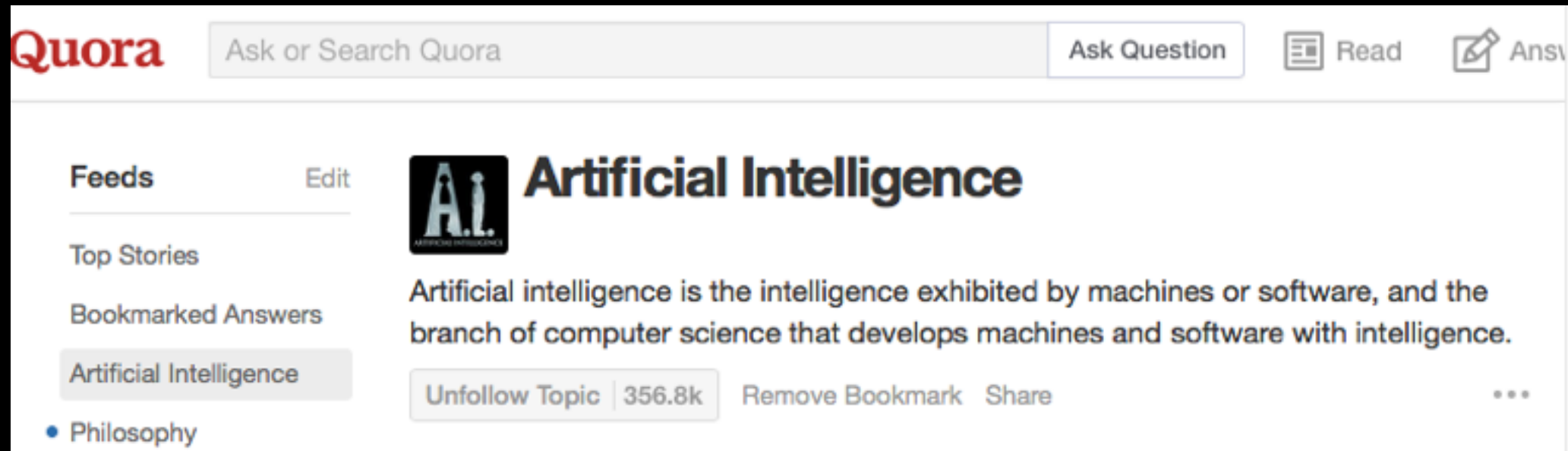
Contribute

Add your chatbot

Advertising

[AdChoices](#)
[Chat Bot](#)
[Ai Chatbot](#)
[Facebook Chat](#)

Resources



The screenshot shows the Quora website interface. At the top, the Quora logo is on the left, followed by a search bar labeled "Ask or Search Quora". To the right of the search bar are buttons for "Ask Question", "Read", and "Answer". Below the search bar, on the left, is a "Feeds" section with links to "Top Stories", "Bookmarked Answers", "Artificial Intelligence" (which is highlighted), and "Philosophy". To the right of the feeds is the "Artificial Intelligence" topic page. It features a topic icon, the title "Artificial Intelligence", and a definition: "Artificial intelligence is the intelligence exhibited by machines or software, and the branch of computer science that develops machines and software with intelligence." Below the definition are buttons for "Unfollow Topic", "356.8k", "Remove Bookmark", and "Share".

Quora

Ask or Search Quora

Ask Question

Read

Answer

Feeds

Edit

Top Stories

Bookmarked Answers

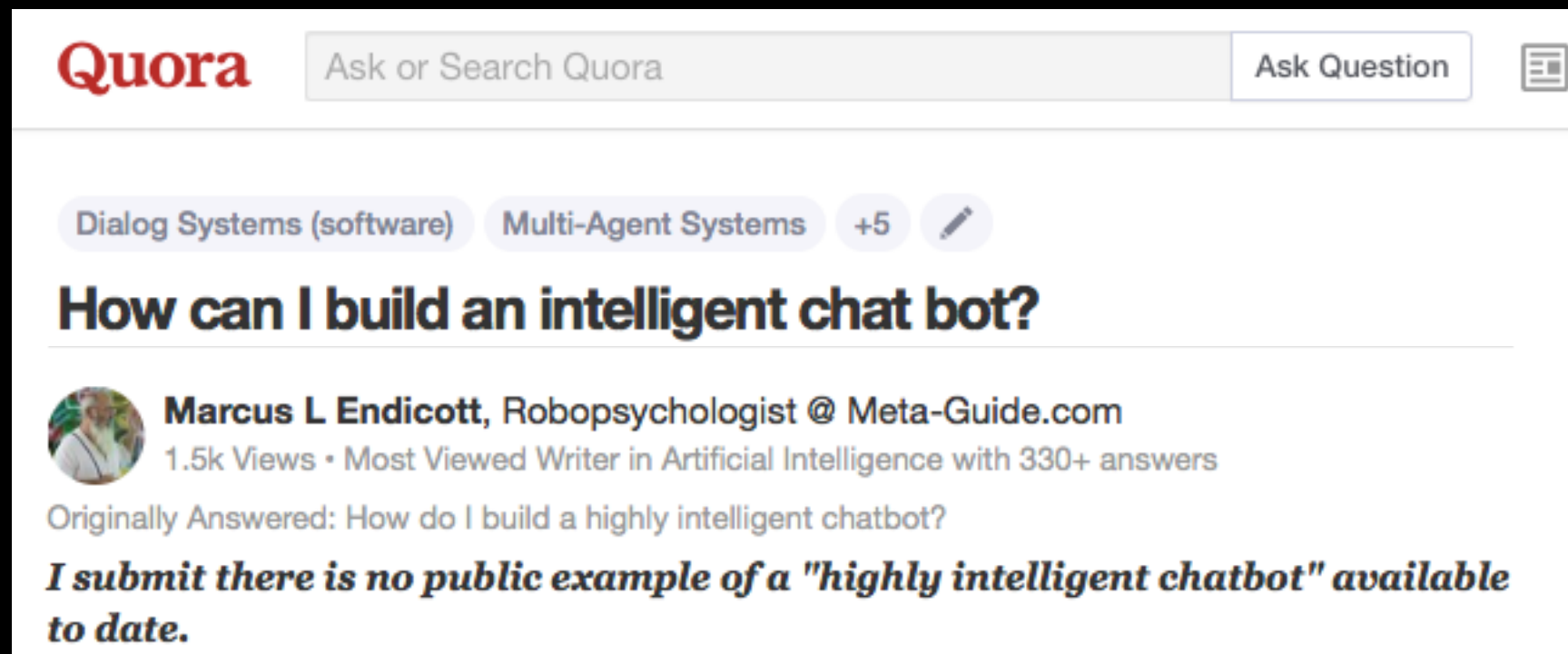
Artificial Intelligence

Philosophy

Artificial Intelligence

Artificial intelligence is the intelligence exhibited by machines or software, and the branch of computer science that develops machines and software with intelligence.

Unfollow Topic | 356.8k | Remove Bookmark | Share



The screenshot shows a Quora question page. At the top, the Quora logo is on the left, followed by a search bar labeled "Ask or Search Quora". To the right of the search bar is a button for "Ask Question". Below the search bar, there are tags for "Dialog Systems (software)", "Multi-Agent Systems", and "+5". The question is "How can I build an intelligent chat bot?". The answer is by Marcus L Endicott, Robopsychologist @ Meta-Guide.com, with 1.5k Views and 330+ answers. The answer text is "I submit there is no public example of a 'highly intelligent chatbot' available to date."

Quora

Ask or Search Quora

Ask Question

Dialog Systems (software) Multi-Agent Systems +5

How can I build an intelligent chat bot?

Marcus L Endicott, Robopsychologist @ Meta-Guide.com
1.5k Views • Most Viewed Writer in Artificial Intelligence with 330+ answers

Originally Answered: How do I build a highly intelligent chatbot?

I submit there is no public example of a "highly intelligent chatbot" available to date.

Resources

Listing of “Intelligent Assistants”

<http://meta-guide.com>

[24]7-Intelliresponse

24me

Aivo Agentbot

Amazon Alexa

Apple Siri

Artificial Solutions Indigo

Ask Ziggy

Blackberry Assistant

Brainasoft Braina

Cluzee

Cognitive Code SILVIA

Creative Virtual V-Person

Dexetra Iris

Evi

Existor Cleverbot

Expect Labs MindMeld

Fusemachines SAM

Google Now

Hugo (MeetHugo App)

IBM Watson

Inbenta

LG Voice Mate

Maluuba

Magnifis Robin

Microsoft Cortana

Microsoft Tay

Microsoft Tellme

Microsoft Xiaoice

MyWave Frank

NextIT Alme

noHold

Nuance Nina

Nuance Vlingo

Pannous Jeannie

Pannous Voice Actions

Samsung S Voice

SimSimi

Skyvi

SoundHound Hound

SmartAction

Speaktoit Assistant

Verbio









Resources

Quora

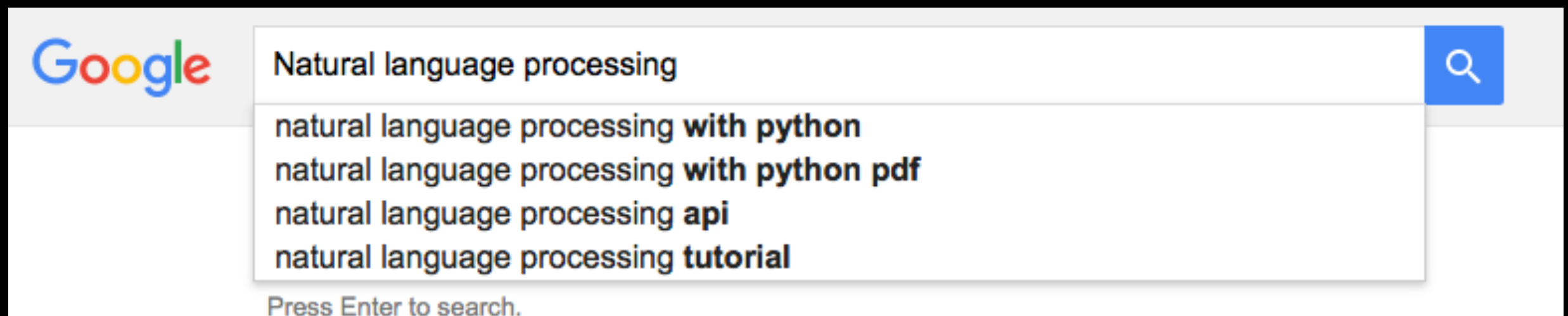
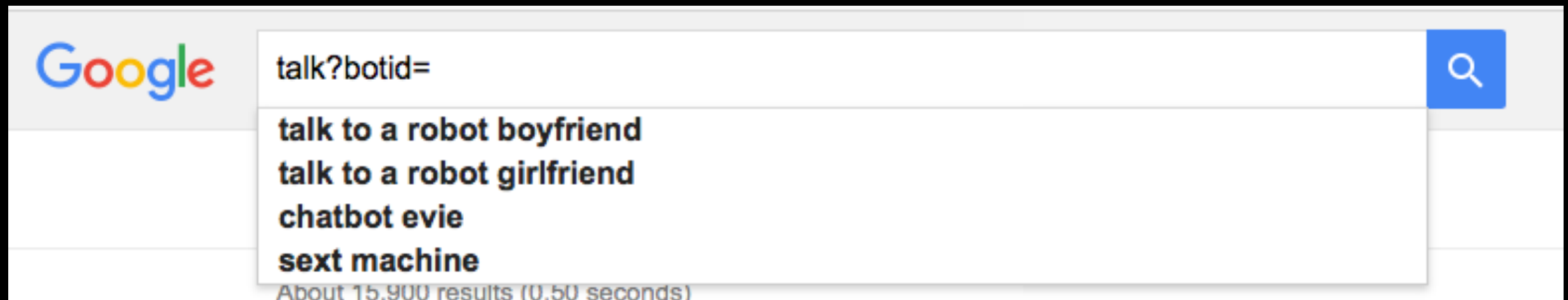
What are the available APIs for NLP (Natural Language Processing)?

What are the (open and commercial) available APIs for doing Natural Language Processing?

Answer Wiki

- aylien.com 
- monkeylearn.com 
- indico.io 
- lexalytics.com 
- meaningcloud.com 
- semantria.com 
- thatneedle.com 
- textalytics.com 

Resources



Resources


[Demo](#)[Technology](#)[Documentation ▾](#)[Pricing](#)[| Login](#)[Sign up](#)

Extract Meaning from your Text.

The TextRazor API helps you extract and understand the Who, What, Why and How from your tweets with unprecedented accuracy and speed.

[Free API Key](#)[Try The Demo](#)

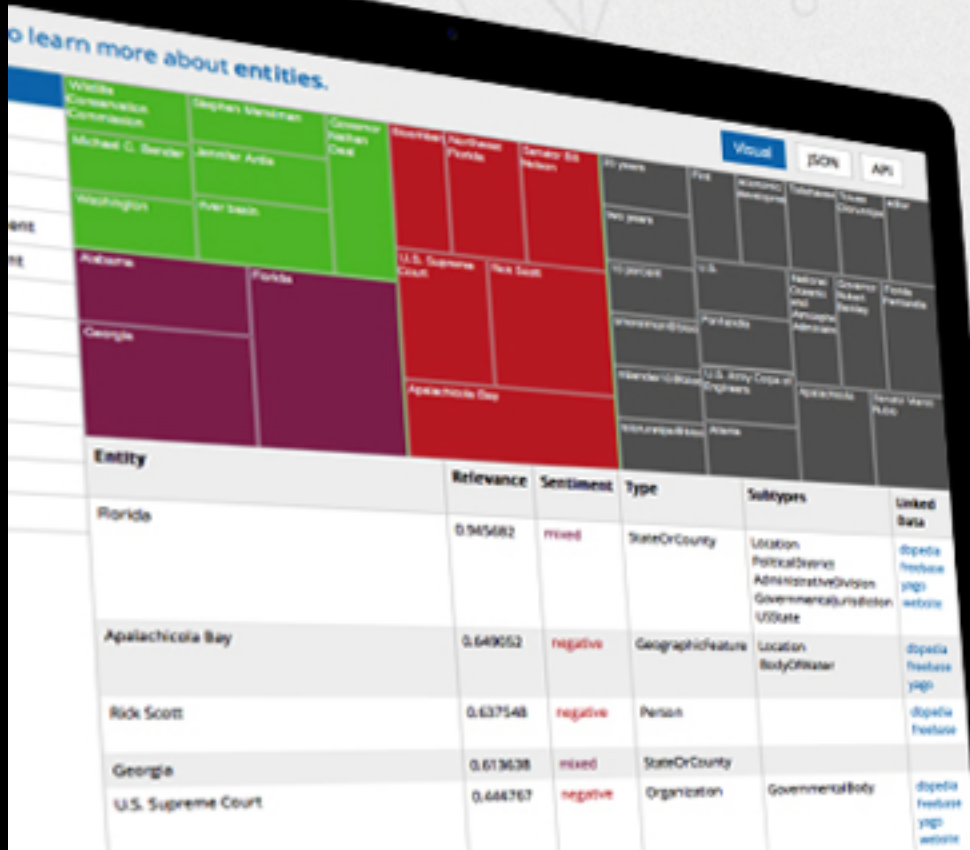
Resources



Services Resources Developers Company Blog

[SCHEDULE A DEMO](#)

to learn more about entities.



Entity	Relevance	Sentiment	Type	Subtypes	Linked Data
Florida	0.945682	mixed	StateOrCounty	Location PoliticalDivision AdministrativeDivision GovernmentalJurisdiction USState	dbpedia freebase yago wikidata
Apalachicola Bay	0.649052	negative	GeographicFeature	Location BodyOfWater	dbpedia freebase yago
Rick Scott	0.637548	negative	Person		dbpedia freebase
Georgia	0.613638	mixed	StateOrCounty		
U.S. Supreme Court	0.444767	negative	Organization	GovernmentalBody	dbpedia freebase yago wikidata

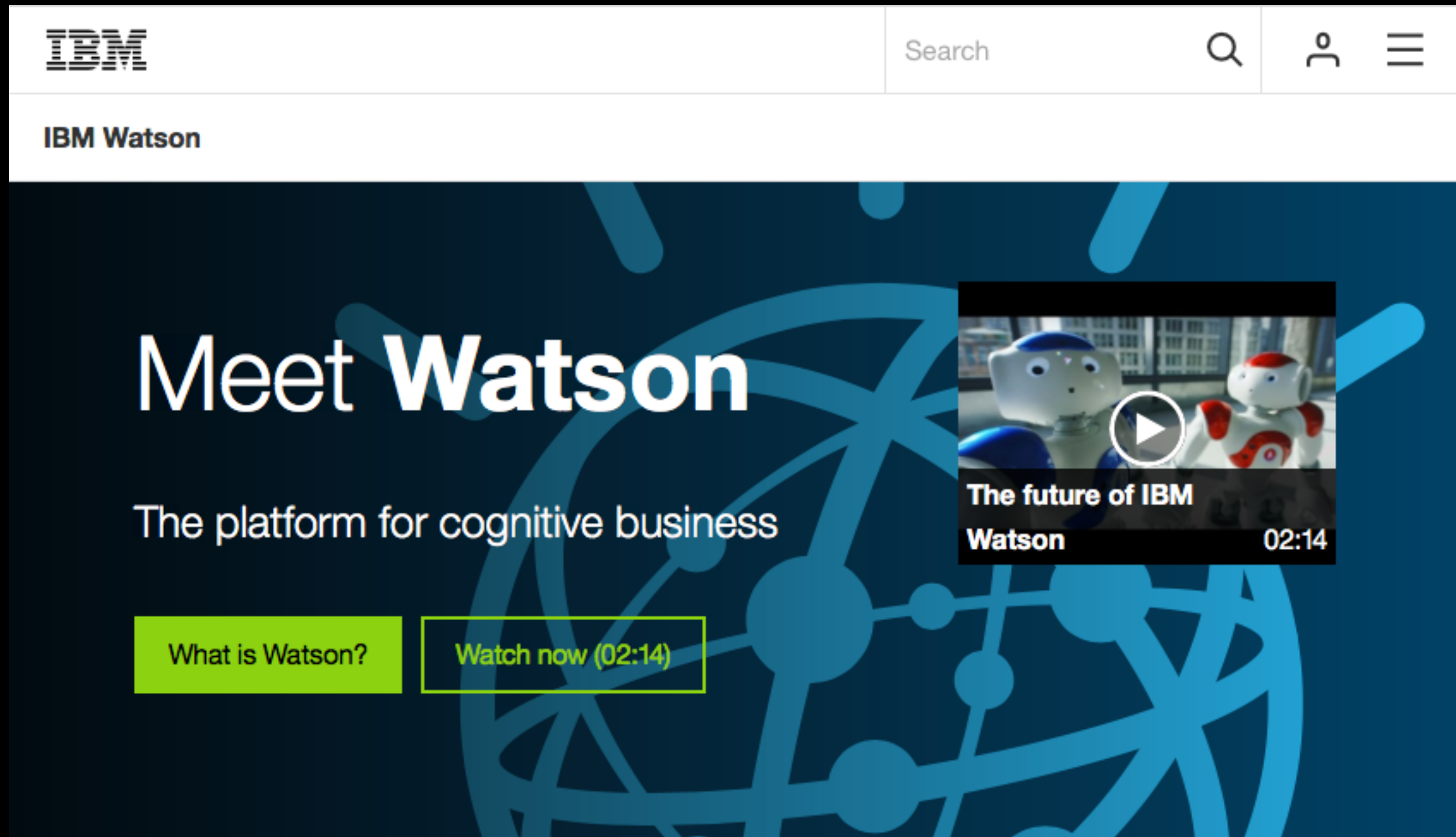
Build Smarter Apps With AlchemyLanguage

12 Semantic Text Analysis APIs Using Natural
Language Processing

[TRY OUR DEMO](#)[FREE API KEY](#)

Commercial Products

<http://www.ibm.com/smarterplanet/us/en/ibmwatson/>



The screenshot shows the IBM Watson website homepage. At the top, there is a white navigation bar with the IBM logo on the left, a search bar with the text "Search" in the center, and user and menu icons on the right. Below the navigation bar, the text "IBM Watson" is displayed. The main content area has a dark blue background with a light blue molecular or network structure graphic. The heading "Meet Watson" is prominently displayed in white, followed by the tagline "The platform for cognitive business". To the right of the text is a video player showing two small white robots. Below the heading, there are two buttons: a green "What is Watson?" button and a blue "Watch now (02:14)" button. The video player has a play button and a title "The future of IBM Watson" with a duration of "02:14".

IBM

Search

IBM Watson

Meet Watson

The platform for cognitive business


[What is Watson?](#) [Watch now \(02:14\)](#)

The future of IBM Watson 02:14

Commercial Products

<http://www.artificial-solutions.com>

**ARTIFICIAL
SOLUTIONS**

Technology ▾ Solutions ▾ Customers About Us ▾ Resources ▾ Contact Us ▾ Blog 


THE TIMES

Special Report

How Artificial Intelligence Gives Your Business A Critical Edge

Building AI capabilities into your business model that engage your customers and ensuring it's the solution they demand.

[Read the report](#)



Your Contributions are Welcomed

- Checkout some of the API's and present your results
- What are some examples of "chat bot ideas" that could be world changing?
- What are good approaches to interfacing to a ChatBot API
- The Philosophy of Artificial Intelligence i.e. What is 'Quella', Nature of meaning, Language and thought, "Chinese room" argument
- Topics from Philosophy & AI researchers:
 - John Searle, Peter Norvig, Monica Anderson, Ray Kurzweil and others