

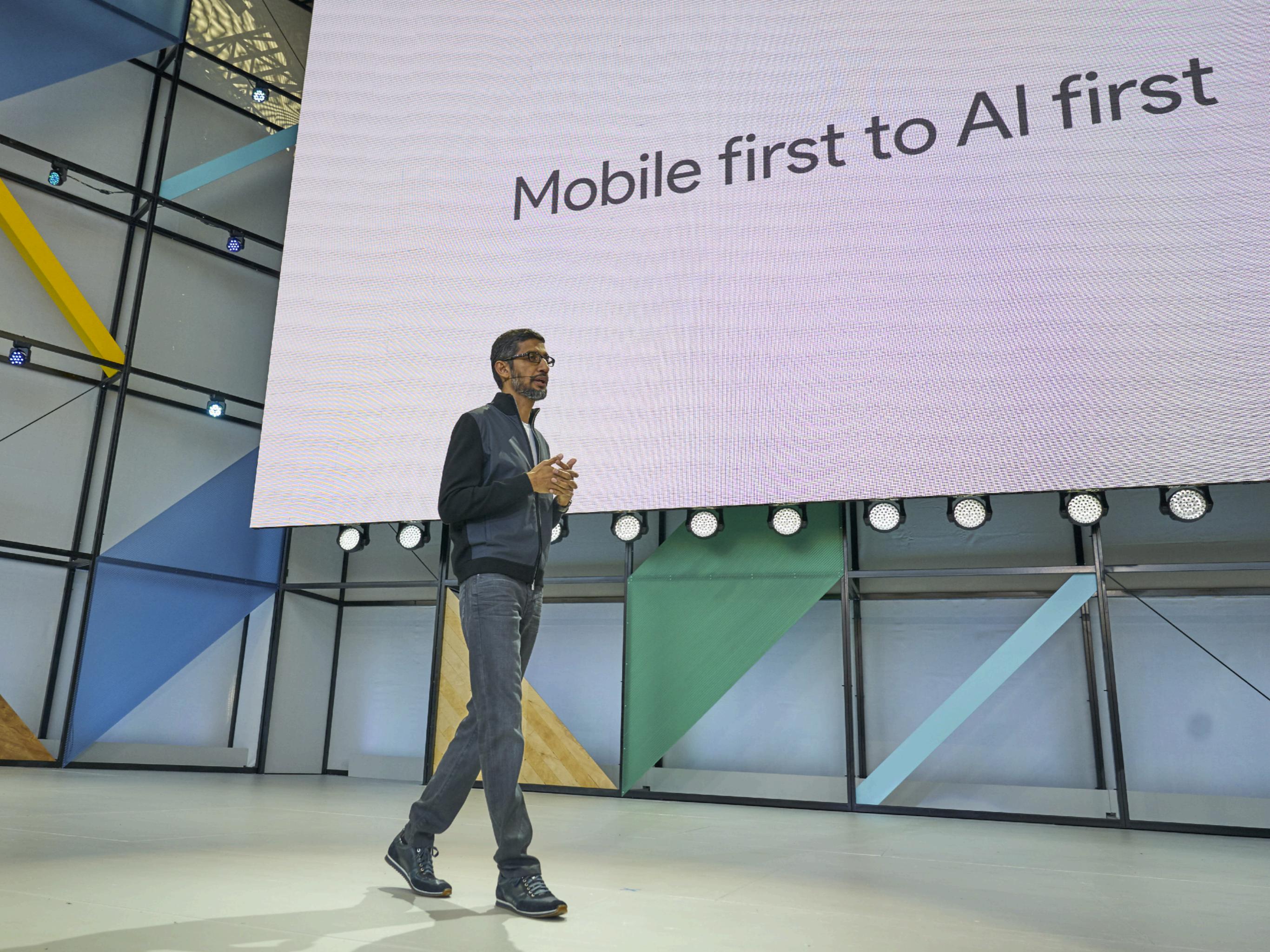


Build your own Chatbot in JavaScript

Vladimir Alekseichenko

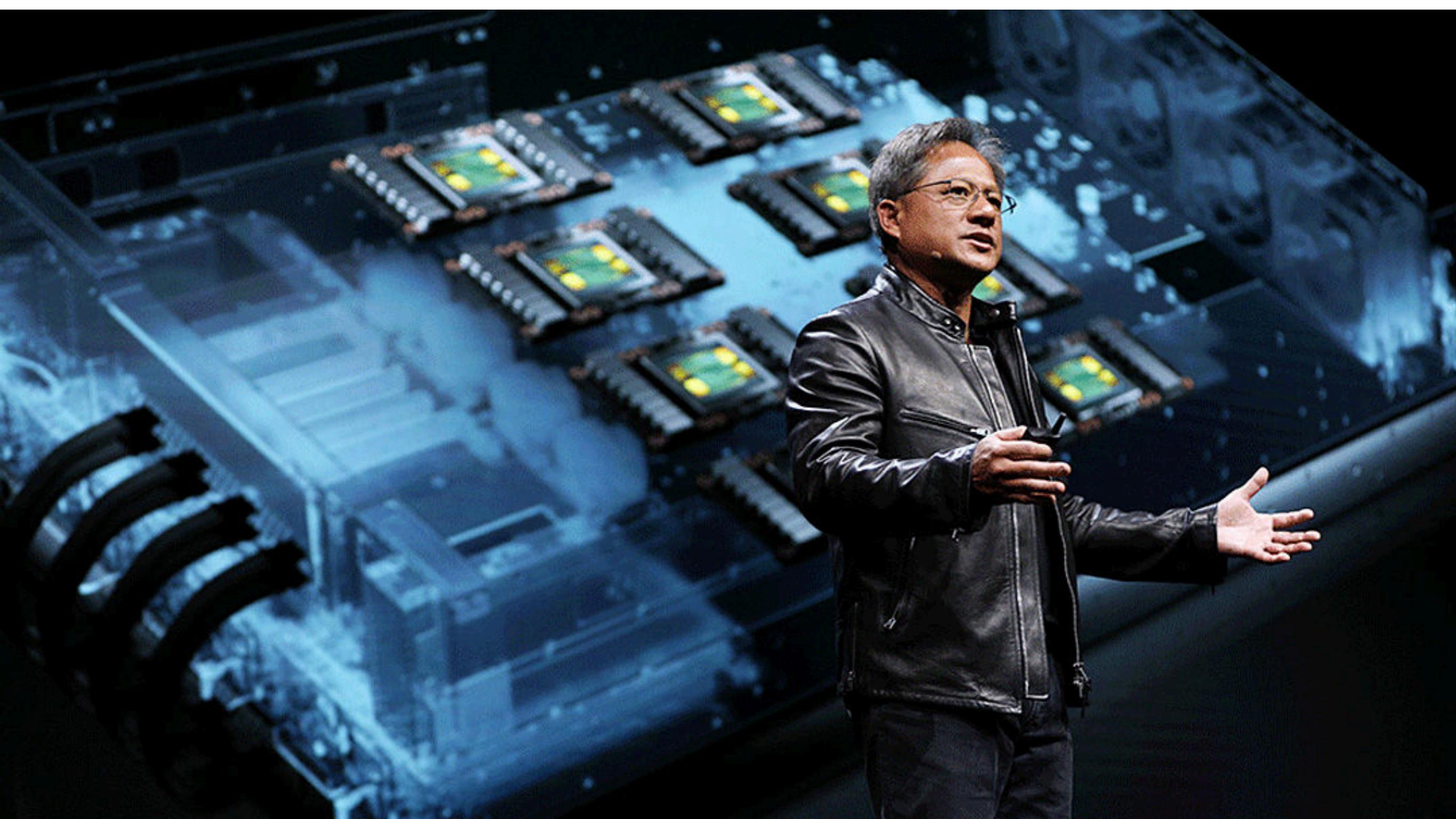


I'm so sorry...

A photograph of Sundar Pichai, Google's CEO, speaking on stage. He is wearing a dark blue zip-up jacket over a white t-shirt and dark jeans, with dark shoes. He is gesturing with his hands while speaking. Behind him is a large projection screen displaying the text "Mobile first to AI first" in a large, black, sans-serif font. The stage has a modern design with geometric patterns on the walls in shades of blue, green, and yellow. Stage lights are visible on the left and right sides.

Mobile first to AI first

Software is eating the world,
but AI is going to eat software



AI $\sim >$ ML*

* - this is not formal definition, this is as is now

xkcd.com/1838

THIS IS YOUR MACHINE LEARNING SYSTEM?

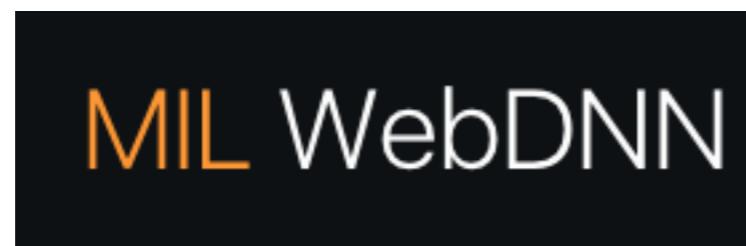
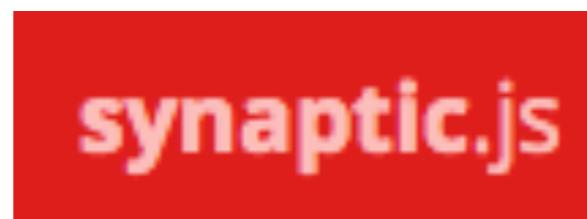
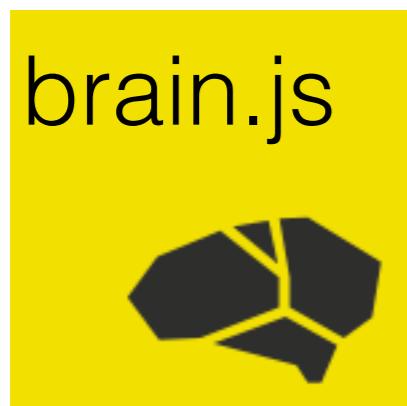
YUP! YOU POUR THE DATA INTO THIS BIG
PILE OF LINEAR ALGEBRA, THEN COLLECT
THE ANSWERS ON THE OTHER SIDE.

WHAT IF THE ANSWERS ARE WRONG?

JUST STIR THE PILE UNTIL
THEY START LOOKING RIGHT.



Machine Learning in JS



DEMO - KerasJs

Basic Convnet for MNIST

Draw any digit (0-9) here



CLEAR



use GPU

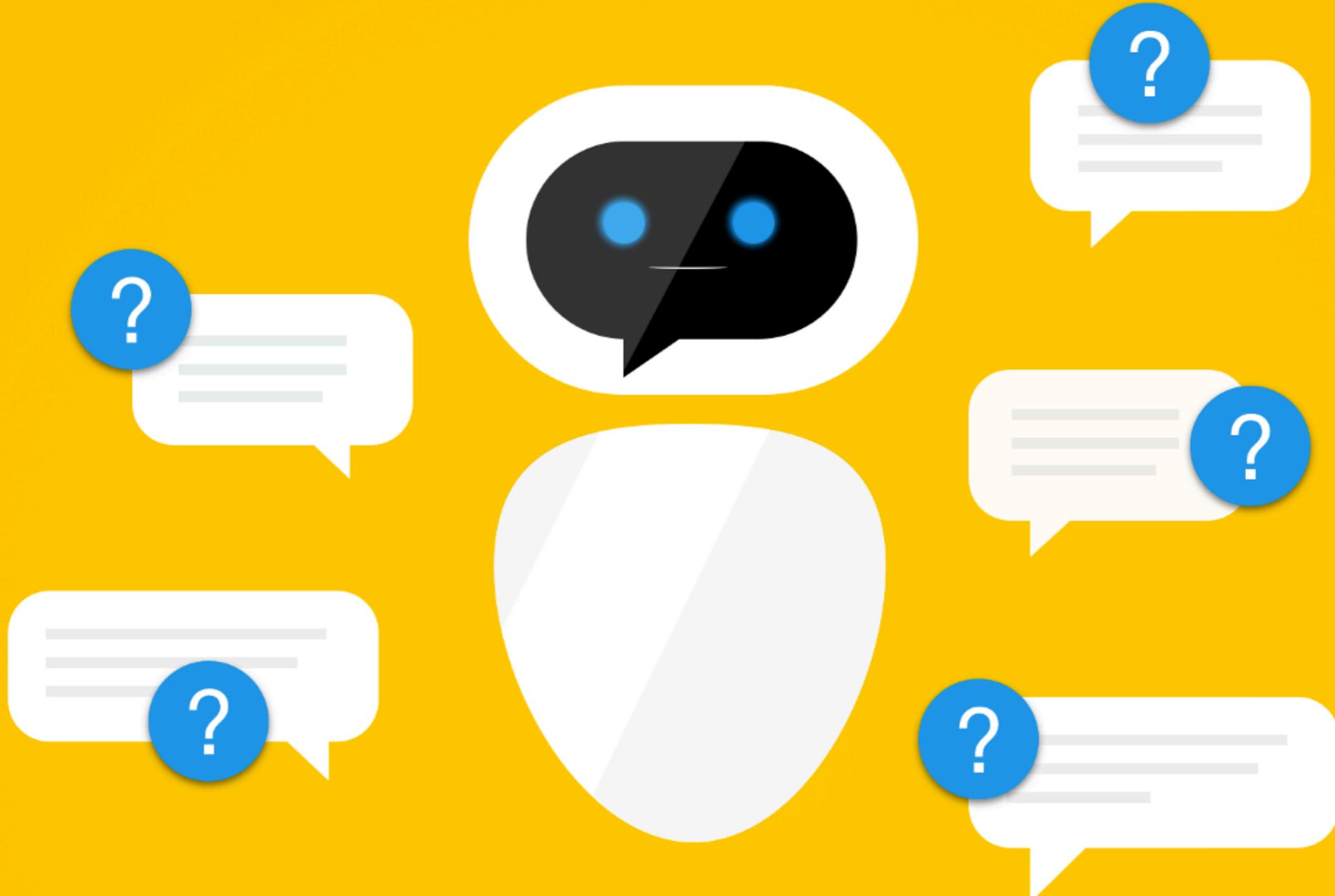


transcranial.github.io/keras-js

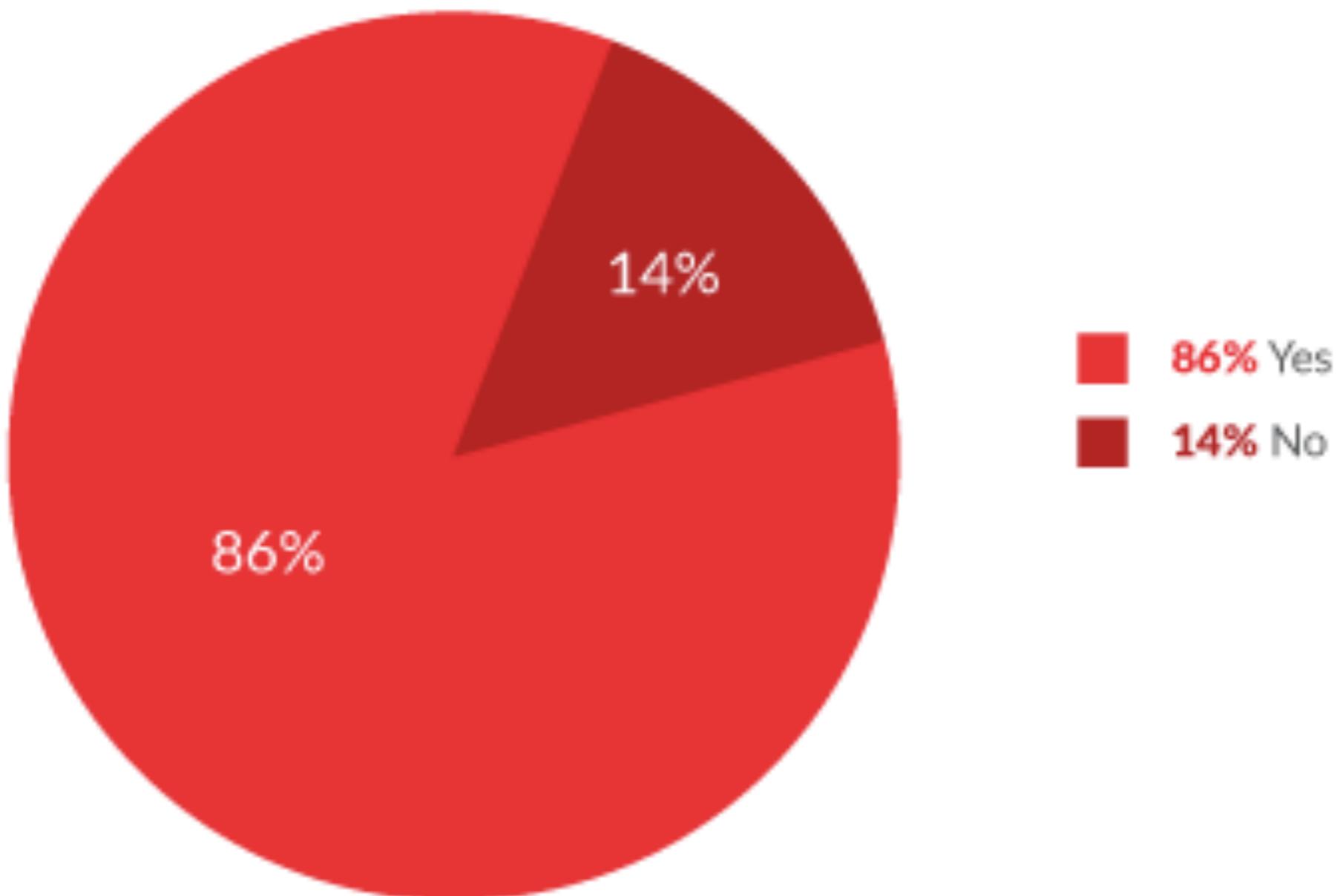
Flappy Bird

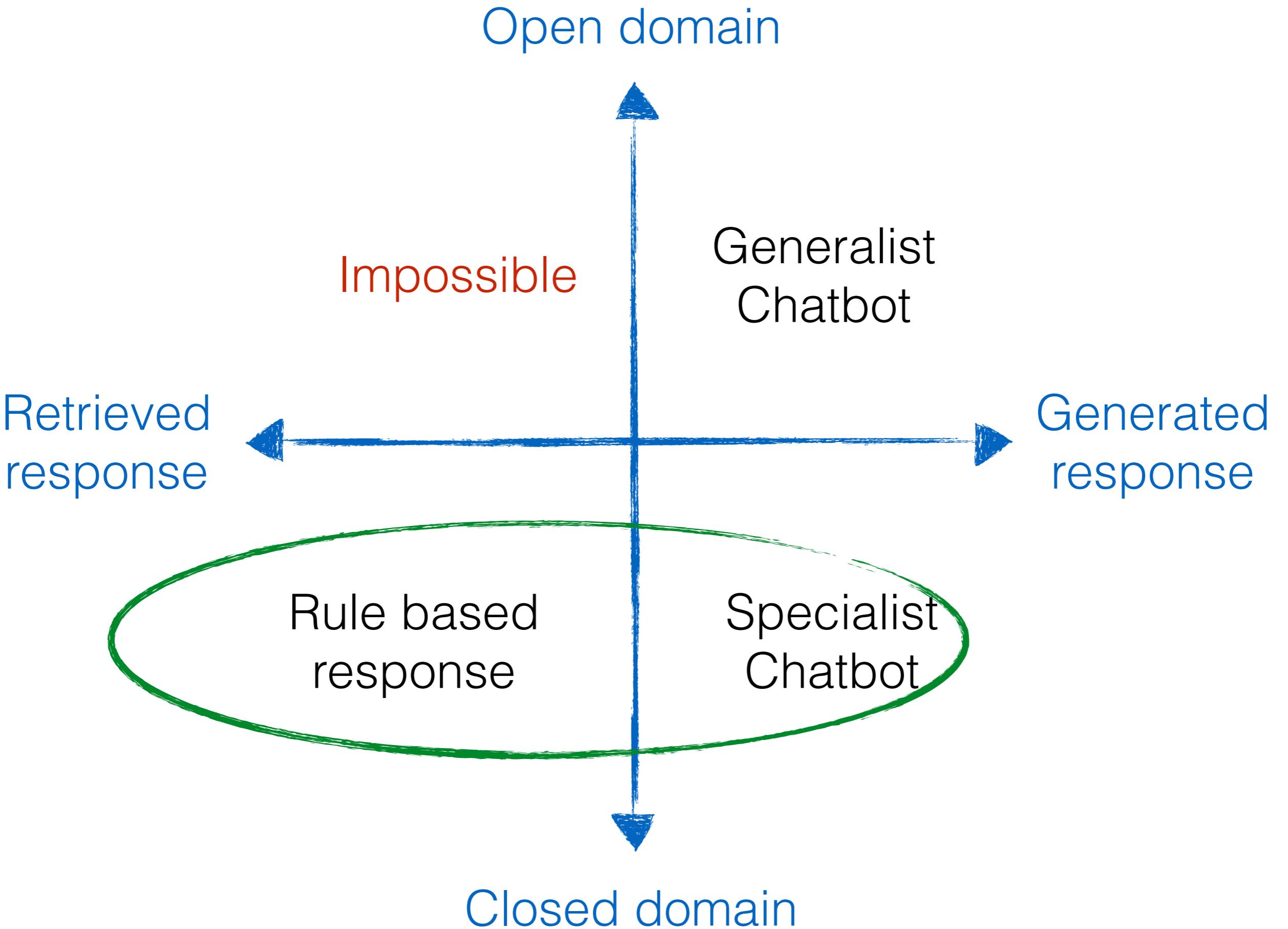
using Neural Network and Genetic Algorithm

Why Chatbot?



SHOULD BRANDS USE CHATBOTS TO PROMOTE DEALS, PRODUCTS OR SERVICES?





Mira Bot





Artyom.js
HTML5 Voice Control

Hello

```
1 var artyom = new Artyom()
2
3 // Add a single command
4 var commandHello = {
5     // These spoken words will trigger the execution of the command
6     indexes:["hello","good morning","hey"],
7     // Action to be executed when a index match with spoken word
8     action:function(){
9         artyom.say("Hey buddy! How are you today?");
10    }
11};
```

Practical Machine Learning for Programmers*

* For people who know or willing to learn Python (*the easiest language to learn for beginners*)

Learn by **examples**, without overwhelmed by mathematics details

Learn how to build **end-to-end solution**

30

Days

23

Hours

42

Minutes

33

Seconds

30 WRZEŚNIA O 19:00 BEZPŁATNY WEBINAR

Praktyczne uczenie maszynowe dla programistów

Wszystko co chcesz wiedzieć o
zawodzie przyszłości

Dołącz na dataworkshop.eu/free-webinar



Vladimir Alekseichenko



Architect
General Electric

vova.me

[slon1024](https://twitter.com/sl0n1024)

hello@vova.me



biznesmysli.pl

dataworkshop.eu

DATA
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