



# **#1 SKYTALKS – JAN 16TH 2019 – SILESIAAN UNIVERSITY OF TECHNOLOGY, GLIWICE**

<https://skygate.io/skyhacks/1-skytalks/>



# MITIGATING THE FEAR

## of Artificial Intelligence

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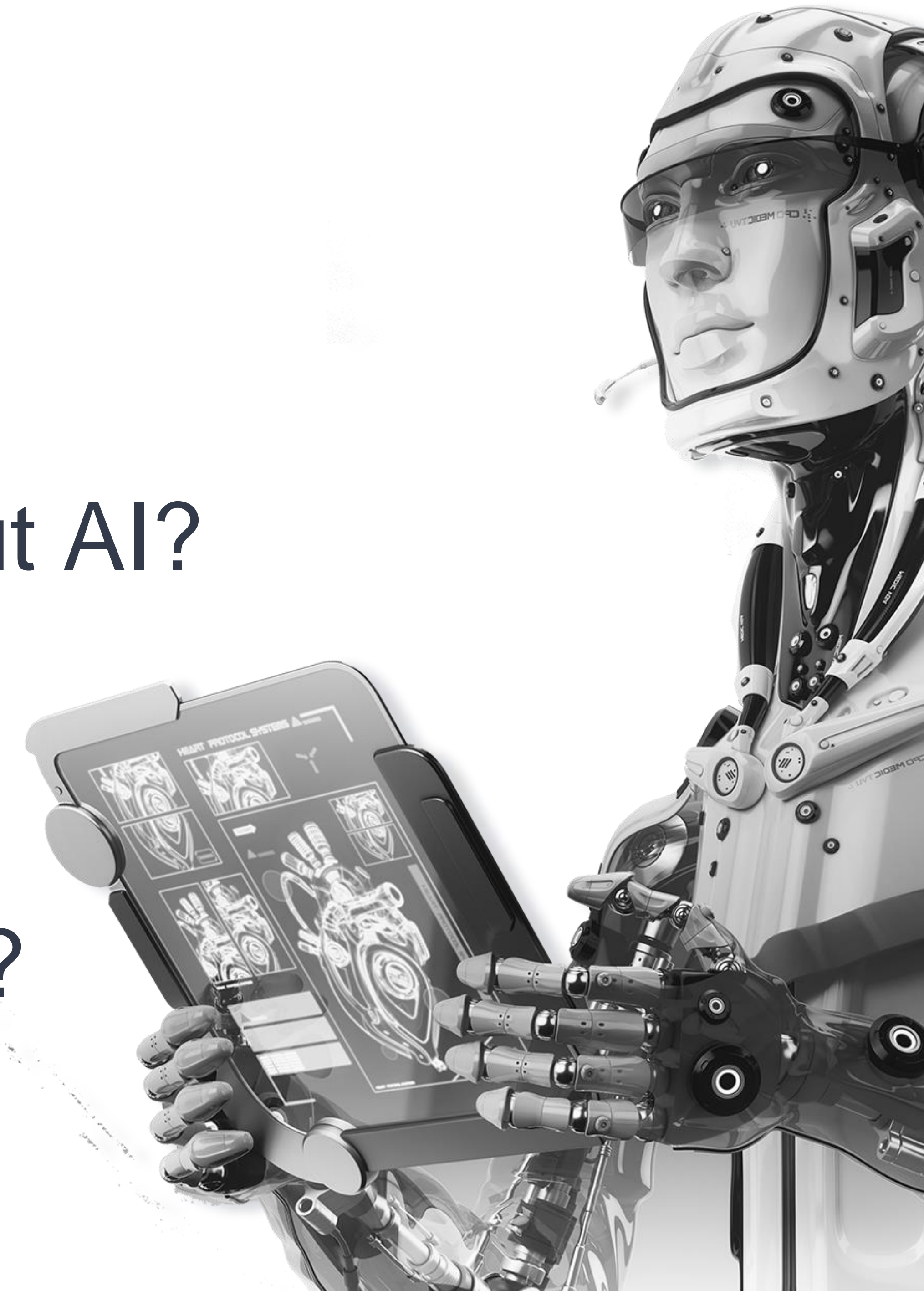
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# AGENDA

- Introduction
- What scares us more about AI?
- AI Myths and Facts
- Why we Shouldn't Fear AI?
- Q&A







# JAIR RIBEIRO

***AI Senior Business Analyst/AI Strategist Volvo Group IT, Wroclaw***



I am leading, inspiring and helping Volvo to innovate through the power of Artificial Intelligence, with a broad technical background and relevant experience in Design, Management, Consulting, and development of IT Solutions.

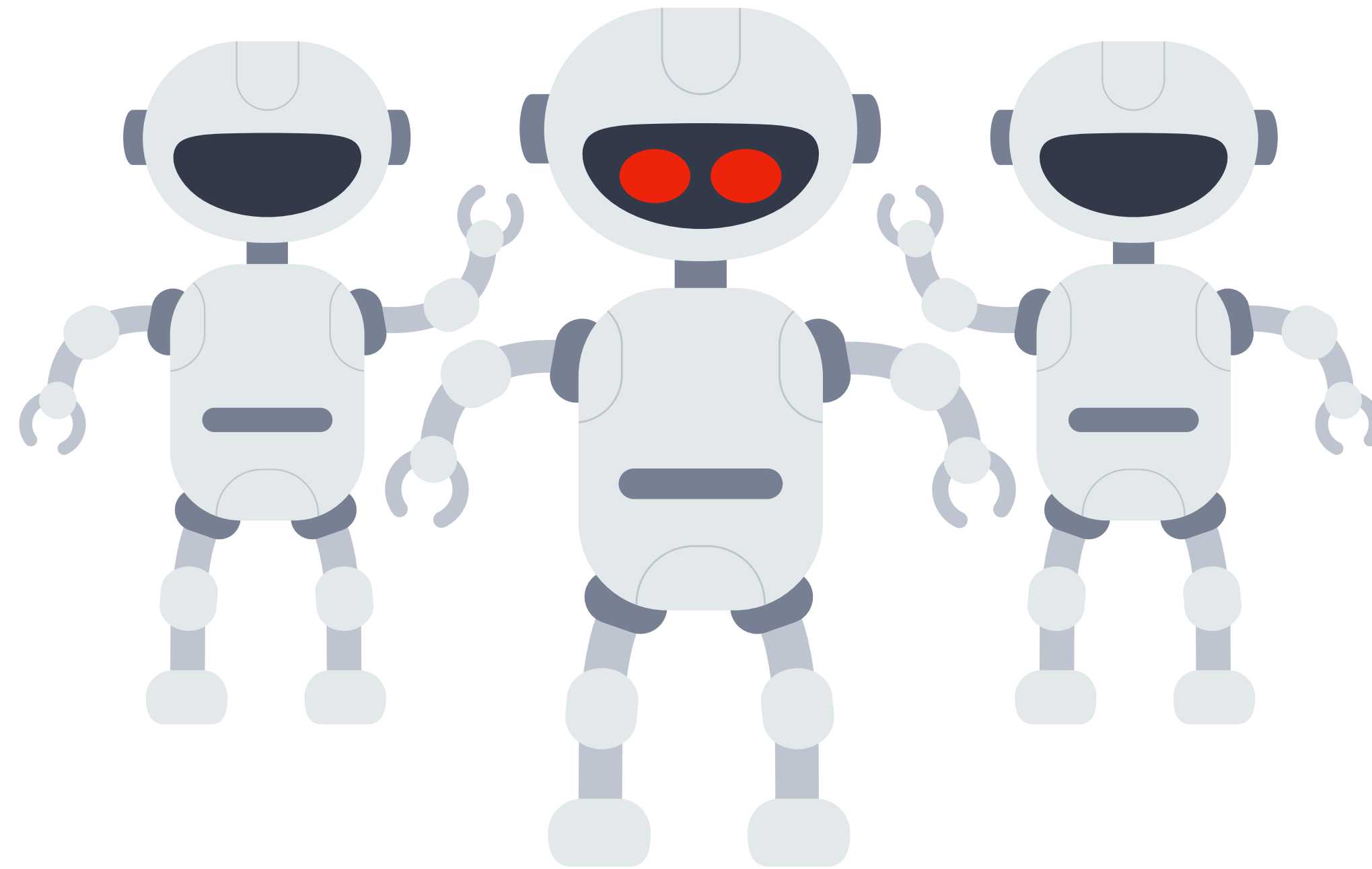


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# WHAT SCARES US MORE ABOUT AI?

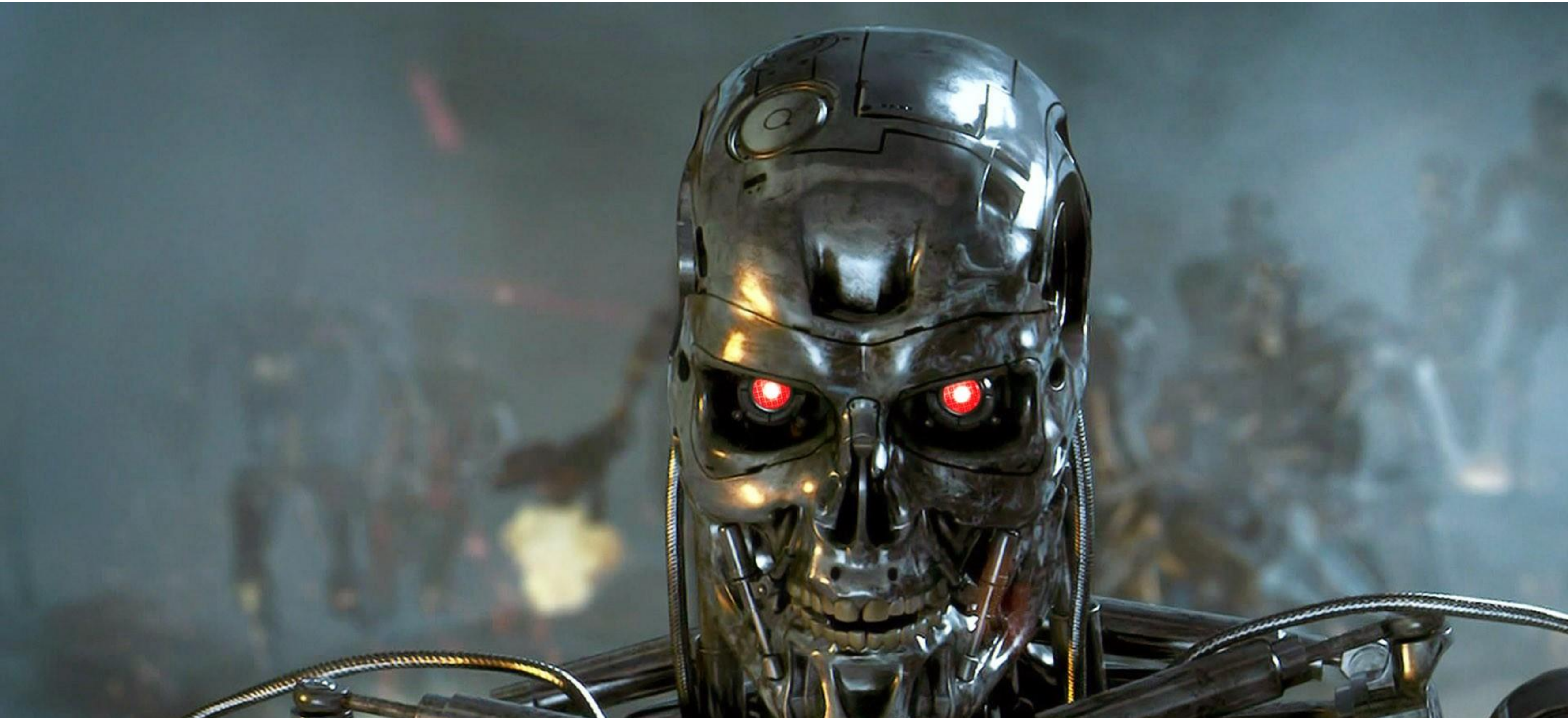


Sophisticated AI could make the world a better place. It might let us fight cancer and improve healthcare around the world, or simply free us from the menial tasks that dominate our lives.

But some people are anxious about losing their jobs to a robot or line of code; others fear a robot uprising. Where's the line between fear-mongering and legitimate concern?



WHAT DO SCARE YOU MORE ABOUT AI?







DARKSIDE

# 10 Scary Facts About Artificial Intelligence





# WHAT SCARES US MORE ABOUT AI?



AI CAN BE  
USED TO  
HURT PEOPLE

AI IS  
DEVELOPING  
TOO FAST

ARE WE  
OVERSELLING  
AI?

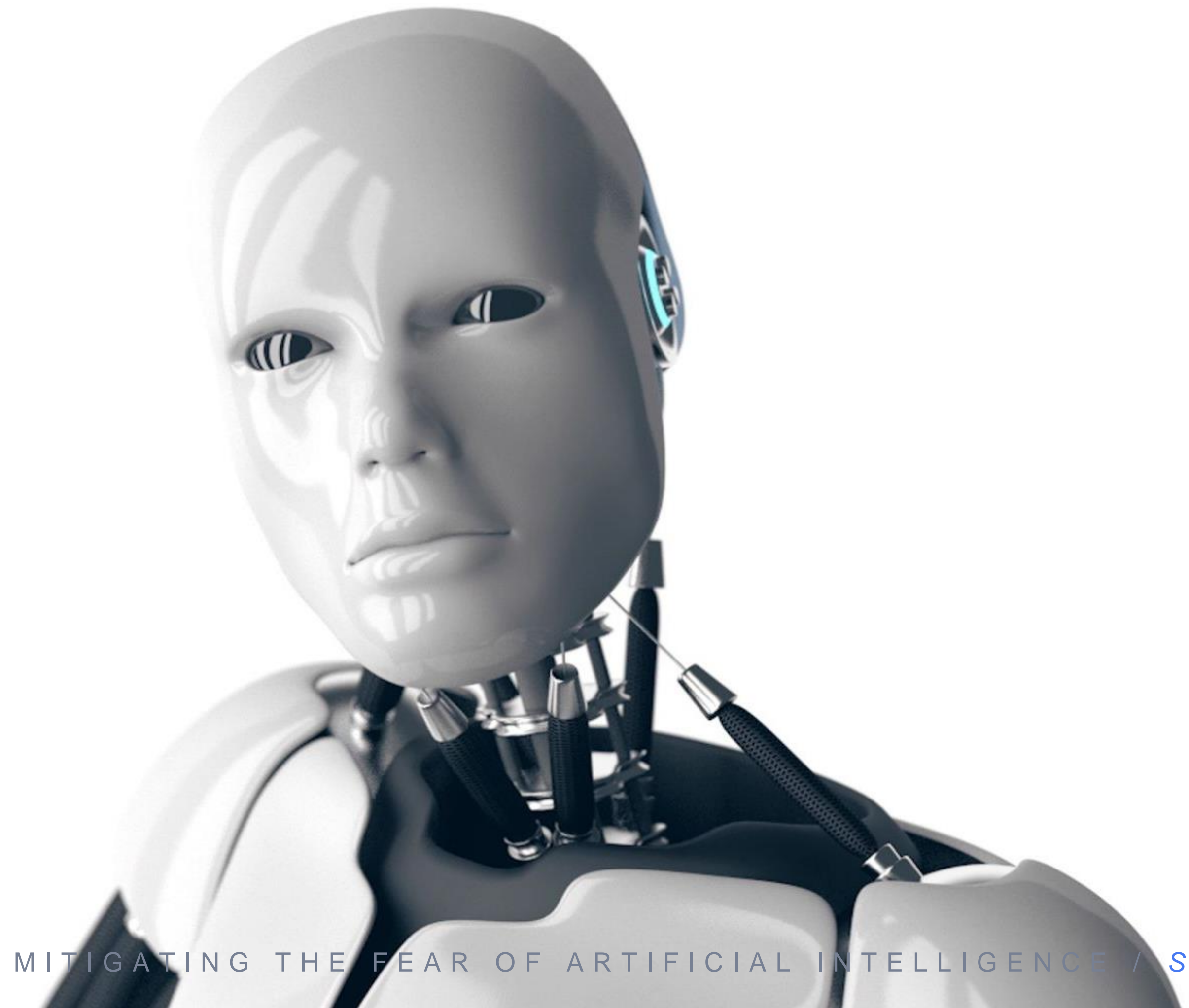


# WHAT SCARES US MORE ABOUT AI?

AI CAN BE USED TO HURT PEOPLE

How to keep AI responsible?

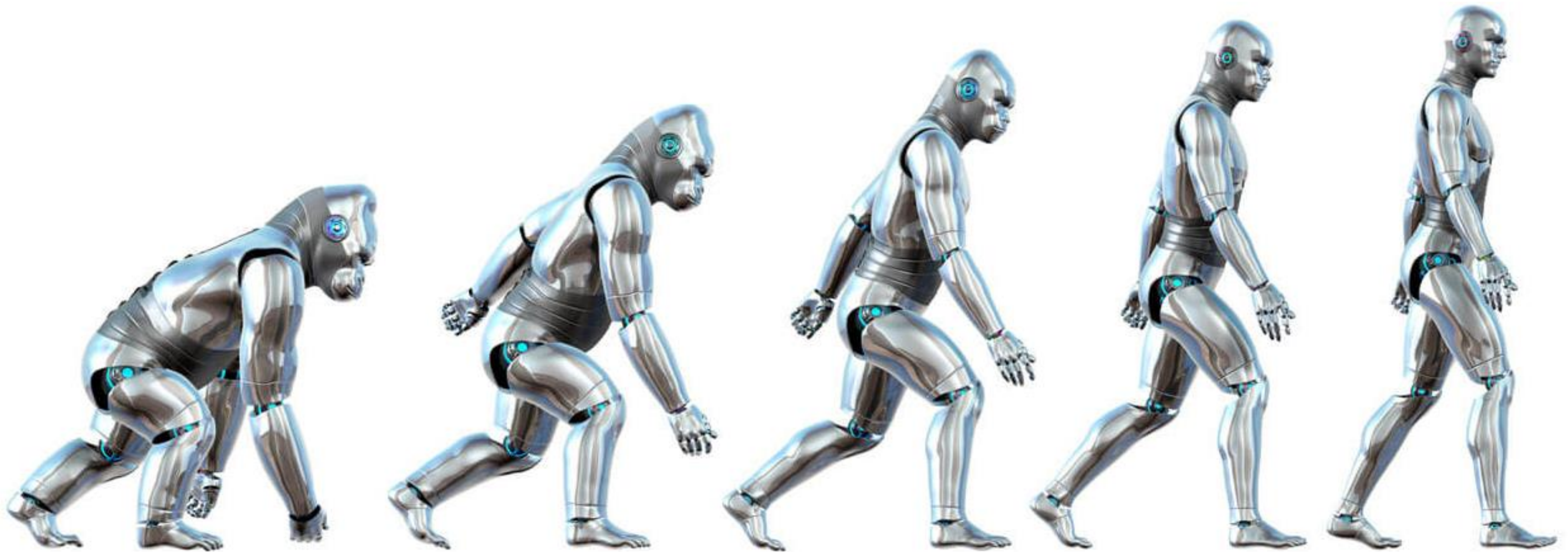
How to develop safe AI?





# WHAT SCARES US MORE ABOUT AI?

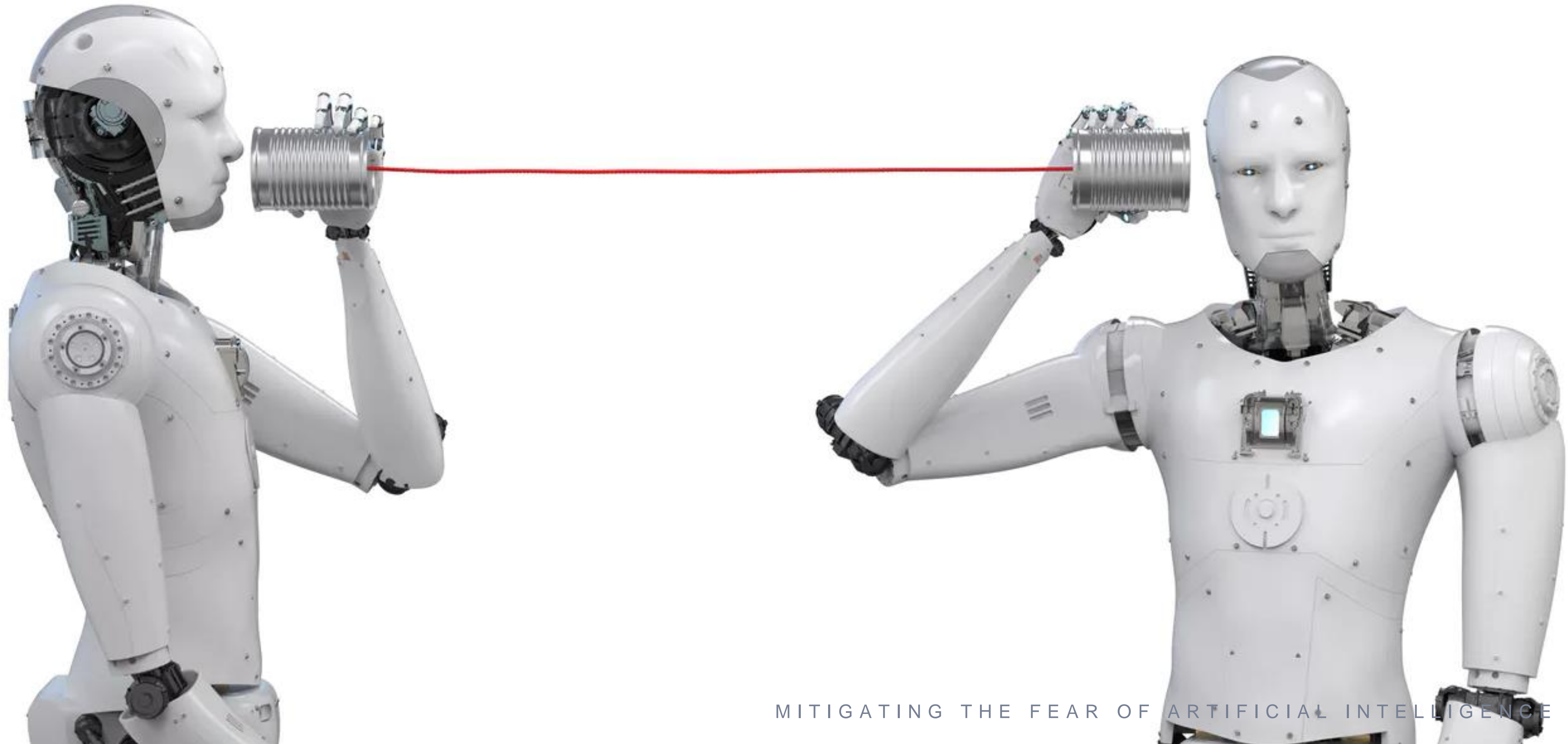
## AI IS DEVELOPING TOO FAST





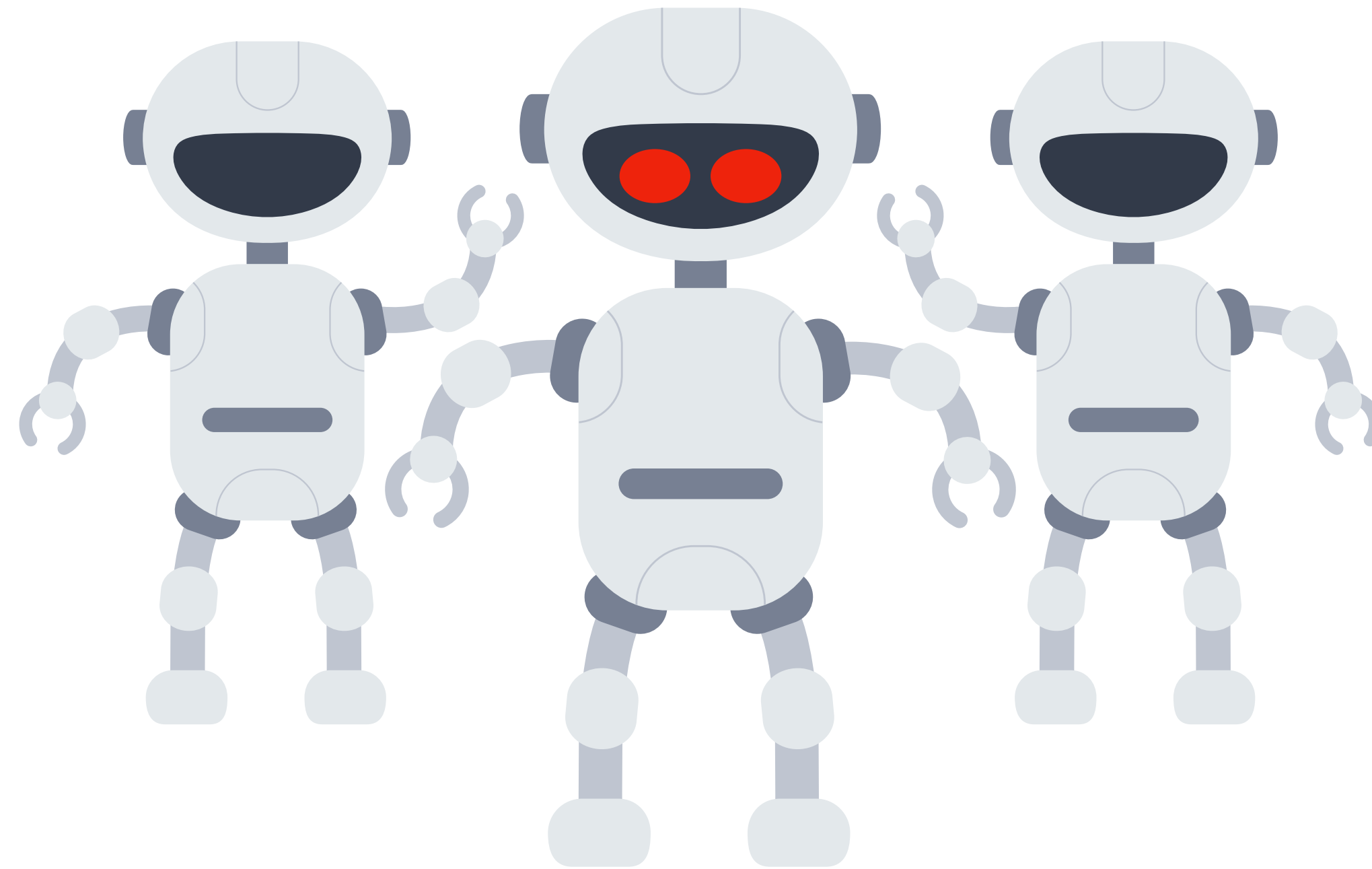
# WHAT SCARES US MORE ABOUT AI?

## SOME PEOPLE ARE OVERSELLING AI





# MYTHS AND FACTS ABOUT AI



AI's future impact on the job market, human-level AI, intelligence explosion. Is this something we should welcome or fear?



# AI MYTHS AND FACTS

## TIMELINE MYTHS REGARDING AI

Myth:

Superintelligence  
by 2100 is inevitable

Myth:

Superintelligence  
by 2100 is impossible

Mon	Tue	Wed	Thr	Fri	Sat	Sun
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5	6	7	8	9	10	11
12	13	14	15	16	17	18
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Fact:

It may happen in  
decades, centuries  
or never: AI experts  
disagree & we  
simply don't know





# AI MYTHS AND FACTS

## TIMELINE MYTHS REGARDING AI

Mythical worry:  
Superintelligence  
is just years away





# AI MYTHS AND FACTS

## TIMELINE MYTHS REGARDING AI

Actual worry:

It's at least  
decades away,  
but it may take that  
long to make it safe

**PLAN  
AHEAD!**



# AI MYTHS AND FACTS

## CONTROVERSY MYTHS ABOUT AI

Myth:

Only Luddites  
worry about AI



Fact:

Many top AI  
researchers  
are concerned





# AI MYTHS AND FACTS

## MYTHS ABOUT THE SUPERHUMAN AI

Mythical worry:

AI turning evil

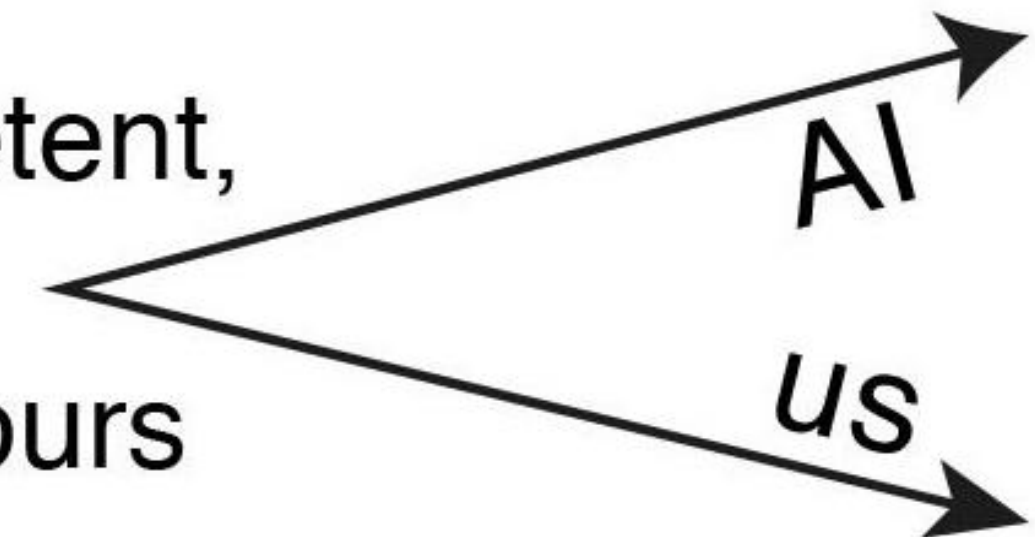
Mythical worry:

AI turning conscious



Actual worry:

AI turning competent,  
with goals  
misaligned with ours





# AI MYTHS AND FACTS

## MYTHS ABOUT THE SUPERHUMAN AI

Myth:

AI can't control humans



Fact:

Intelligence enables control: we control tigers by being smarter



# AI MYTHS AND FACTS

## MYTHS ABOUT THE SUPERHUMAN AI

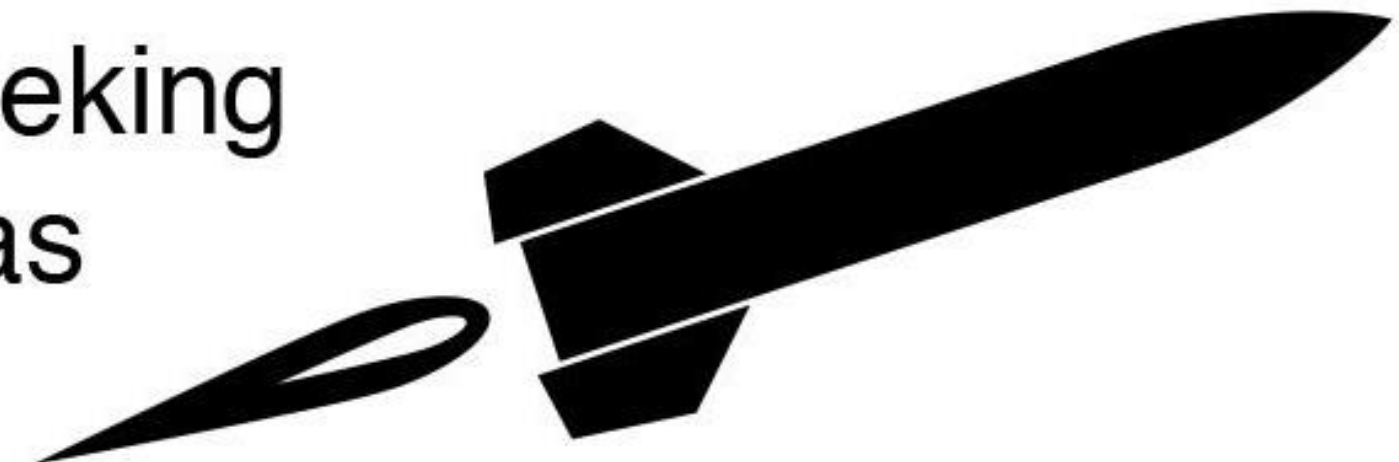
Myth:

Machines can't  
have goals



Fact:

A heat-seeking  
missile has  
a goal



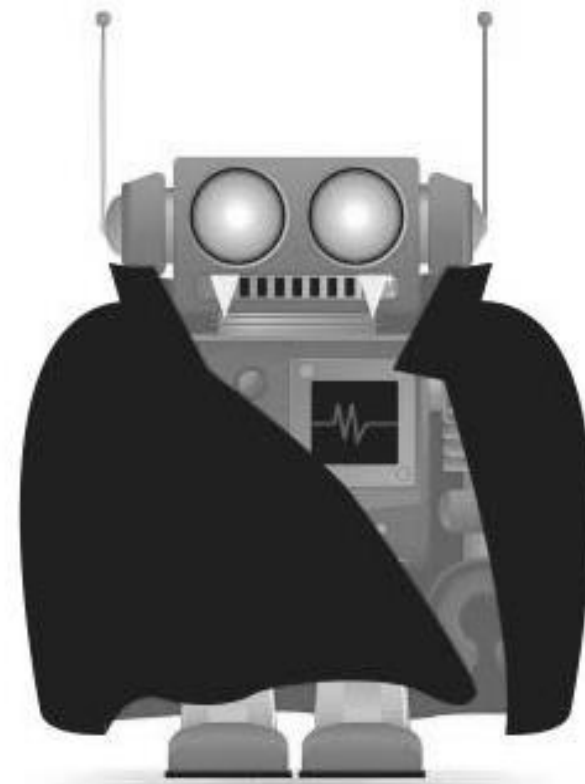


# AI MYTHS AND FACTS

## MYTHS ABOUT THE SUPERHUMAN AI

### Myth:

Robots are the main concern

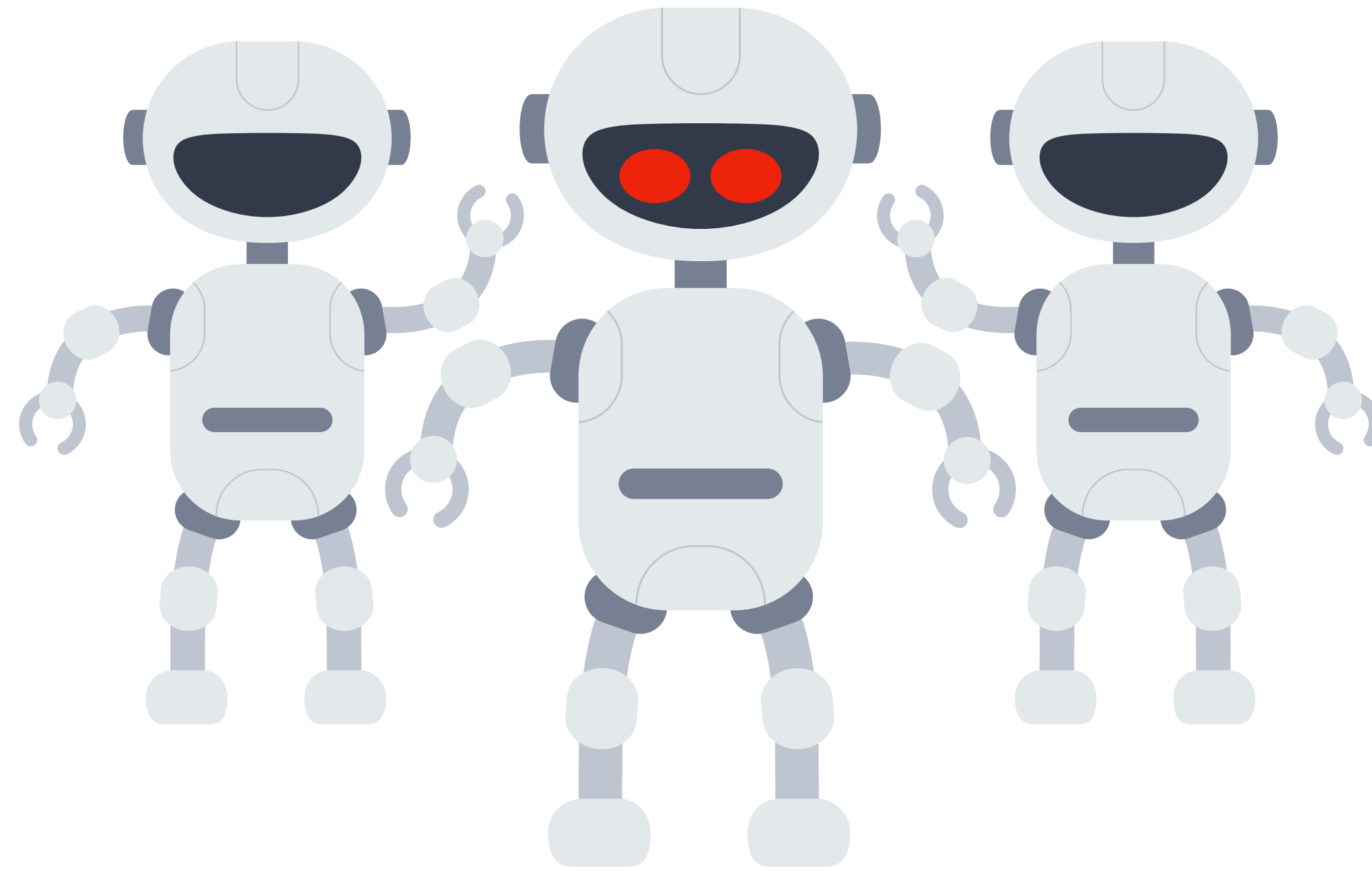


### Fact:

Misaligned intelligence is the main concern: it needs no body, only an internet connection

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0	1	0	0	0	0	0	0
1	0	1	1	0	0	1	0
1	0	0	0	1	0	1	0

# WHY WE SHOULDN'T FEAR AI?



A Hollywood styled human catastrophe is unlikely. Instead, AI will take us to a new era of human enlightenment.



# WHY WE SHOULDN'T FEAR AI?



"AI can truly help solve some of the world's most vexing problems, from improving day-to-day communication to energy, climate, health care, transportation and more." - Lili Cheng, Corporate vice president of Microsoft AI & Research



# QUESTION TIME



„AI is most useful not when it's off thinking and solving problems on its own, but when it's used as a tool to augment human problem-solving skills by thinking alongside .” Rob High, Vice President and Chief Technology Officer of IBM Watson

If you want to keep in contact or have more info about this topic, add me to your LinkedIn



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