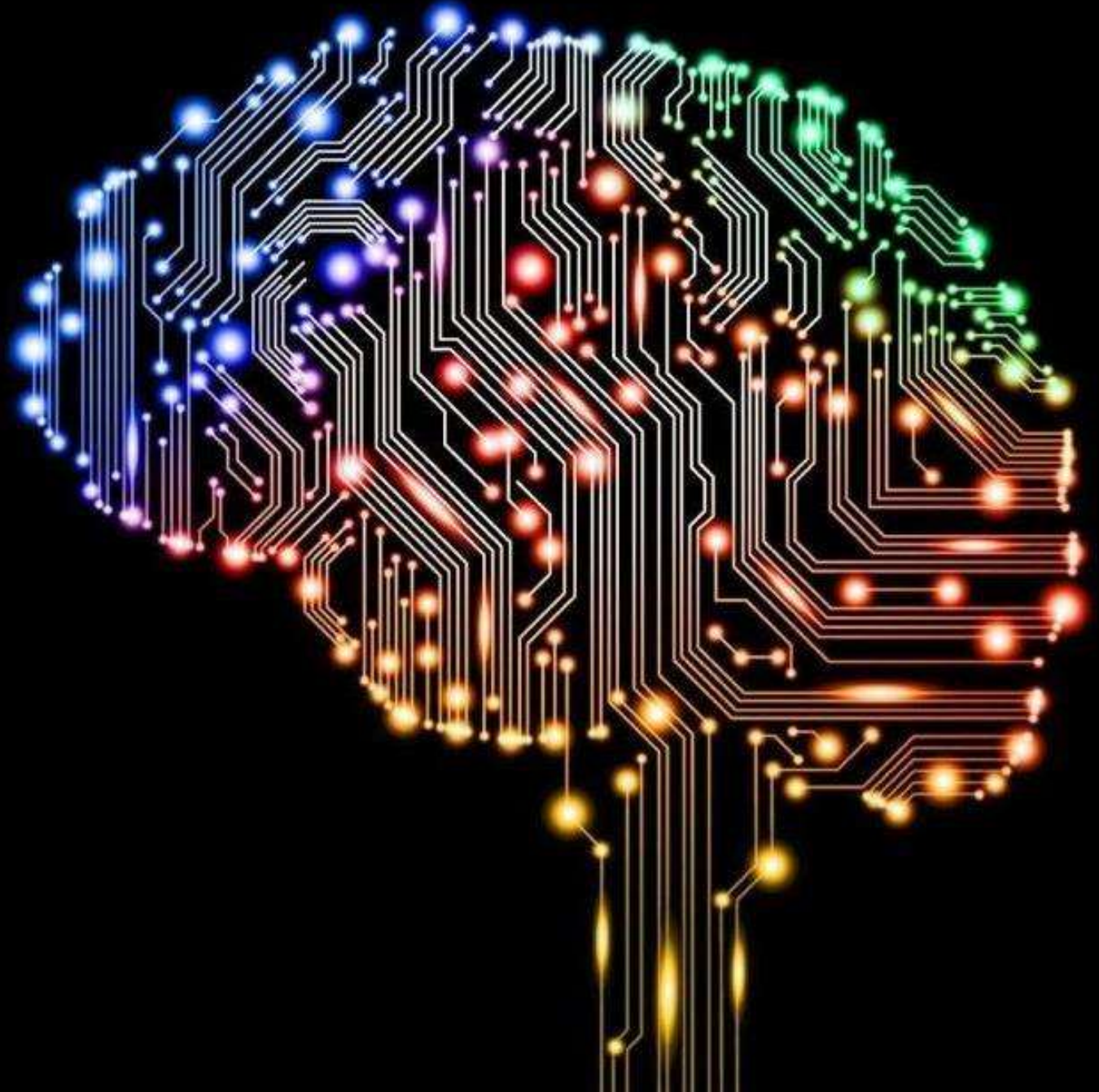


AI @ MSFT

Michal Marusan
Data & AI



Our strategy is to build best-in-class **platforms** and productivity services for an **intelligent cloud** and an **intelligent edge** infused with **artificial intelligence** (“AI”).

Our values and principles



Enable people



Inclusive design



Build trust in technology



Why now?

\$40B

estimated additional revenue/shifting revenue driven by AI in three years

85%

Enterprises using AI by 2020

- AI advancements
- Pervasive data
- Cloud compute



PC



Web



AI

Microsoft AI advancements

96%

RESNET vision test
152 layers

5.1%

Switchboard speech
recognition test

88.493%

SQuAD reading
comprehension test

69.9%

MT
research system



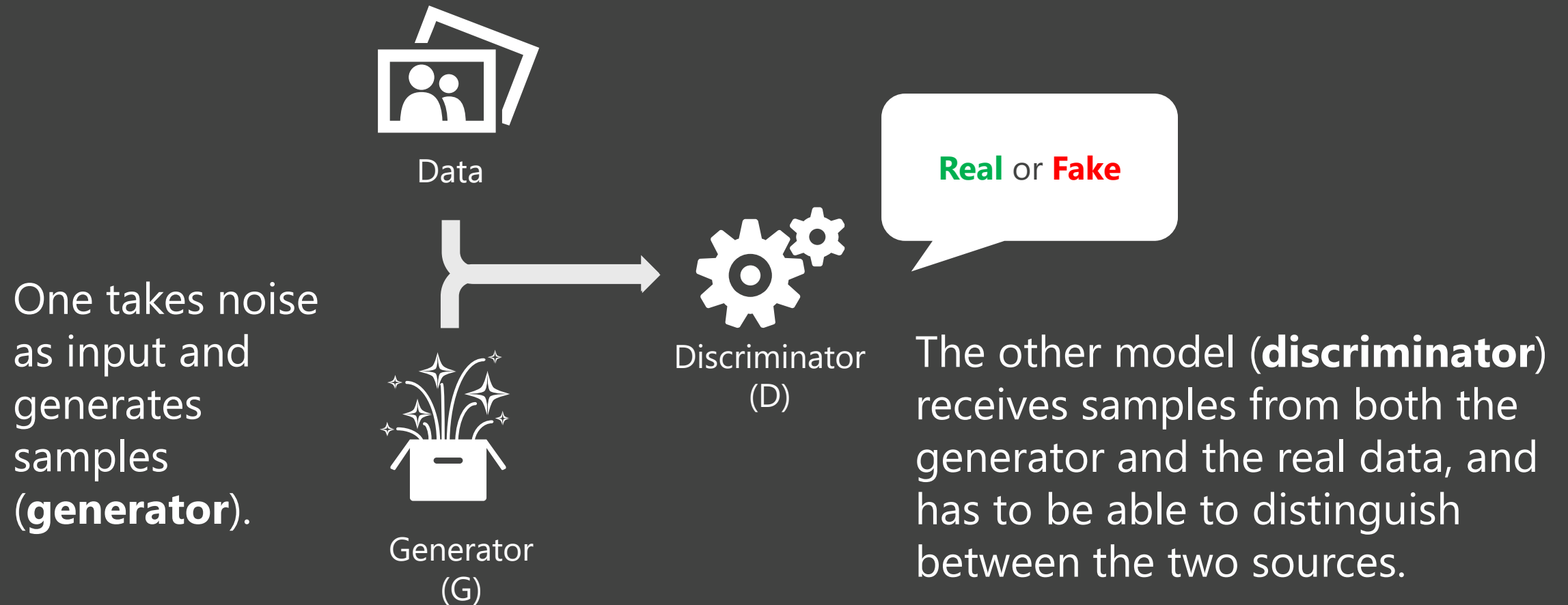
AI

Machine Learning

Deep Learning

Generative Adversarial Networks (GAN)

...main idea is to have two competing neural network models...





Learning from the masters

Building fans



PORTRAIT
CAUCASIAN

MALE

FACIAL HAIR

30-40 YEARS OLD

DARK CLOTHING

COLLAR

WEARING A HAT

FACING TO THE RIGHT

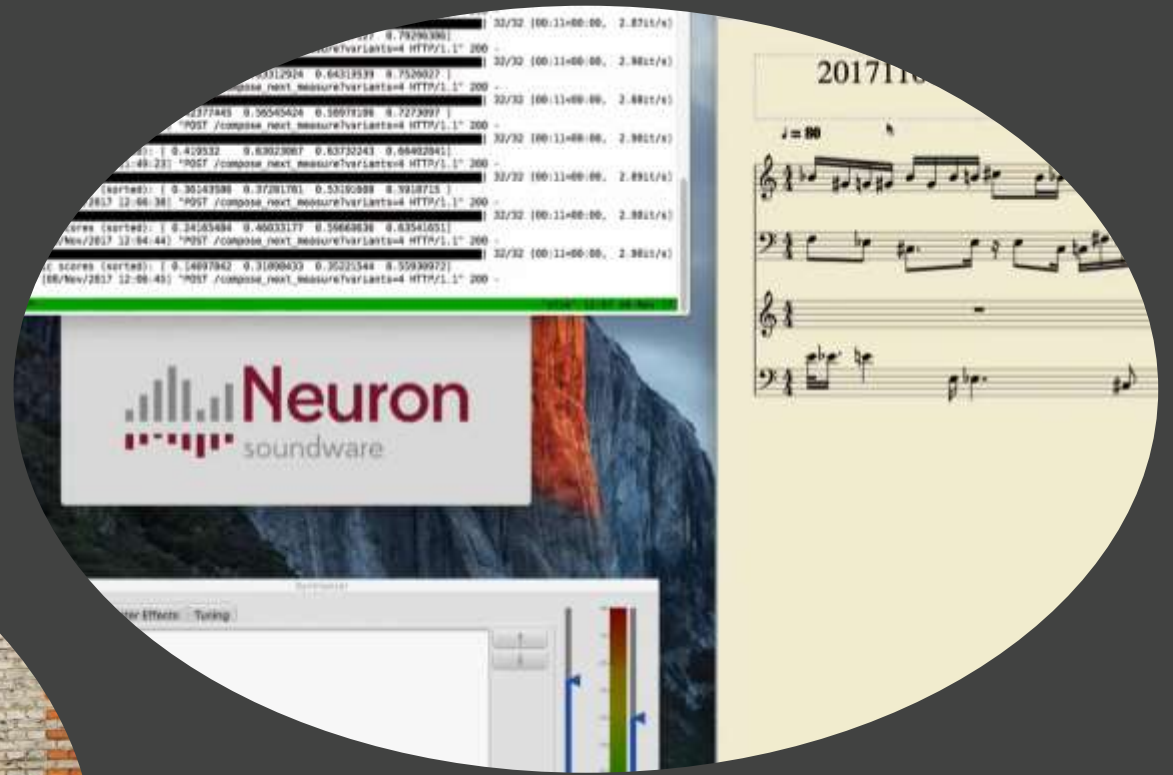
346 paintings

150GB data

500h render

148M pixels







[Vincent van Gogh, 1889](#)





