

INTERNATIONAL  
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AIT AUSTRIAN INSTITUTE OF TECHNOLOGY GMBH

## **Trustworthy and Socially Responsible AI**

IDSF 2023 – Panel – 2023-09-19

Dr. Ross King

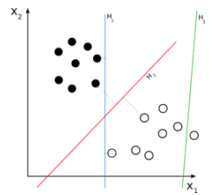
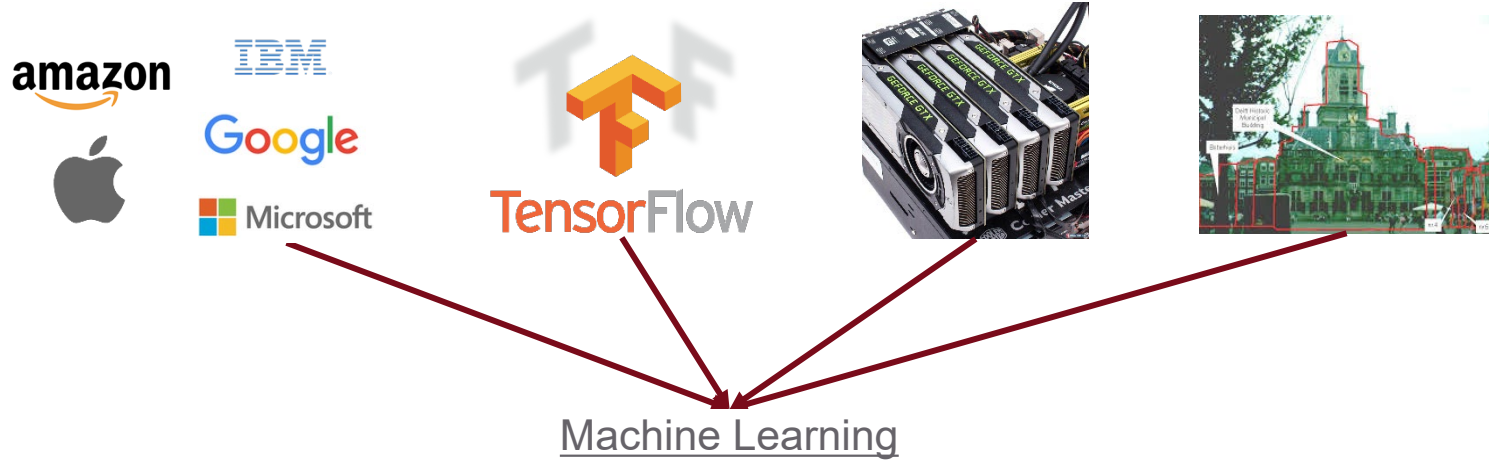
Head of Competence Unit

Data Science & Artificial Intelligence

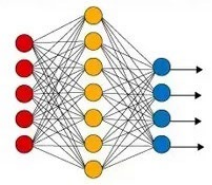
AIT Austrian Institute of Technology



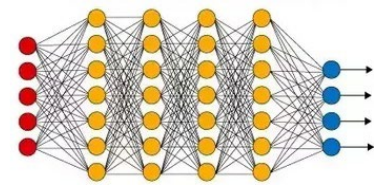
# ARTIFICIAL INTELLIGENCE DRIVERS



Classifiers



Neural Networks



Deep Learning

## HOW DID WE GET HERE? A TIMELINE

2015: OpenAI founded

2017: Google releases the seminal paper “Attention Is All You Need” \*

2018: OpenAI releases GPT-1

2019: OpenAI releases GPT-2

2020: OpenAI releases GPT-3

2022: BigScience collaboration releases BLOOM

2022: 30. November: OpenAI releases ChatGPT

2023: The world of LLMs explodes...

... LLaMA, Alpaca, PaLM2, Claude, Falcon, Llama2, ...

# LARGE LANGUAGE MODELS – THREATS



# THE CHALLENGE: TRUSTWORTHY AND SOCIALLY RESPONSIBLE AI

How do we ensure the development and deployment of AI systems that prioritize ethics, transparency, fairness, and accountability, while at the same time fostering trust and benefiting society?

- AI Act?
- Trustworthiness by design?
- ...?



# THANK YOU

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