List of Appendices

Appendix no. 1: Research & Development spending of selected institutions

Source: Annual reports (listed in references), own calculations

R&D expenses (*in millions USD*)	**2018**	**2019**	**2020**	**CAGR 18-20 (%)**	**% of revenue (2020)**
Department of Defense	52 386	55 832	59 463	6,5 %	n.a.
NASA	11 755	n.a.	11 280	-2,0 %	n.a.
STATE ENTITIES	**64 141**	n.a.	**70 743**	**5,0 %**	
Alphabet (Google)	21 419	26 018	27 573	13,5 %	16,1 %
Apple	14 236	16 217	18 752	14,8 %	7,0 %
Facebook	10 273	13 600	18 447	34,0 %	21,0 %
Microsoft	14 726	16 876	19 269	14,4 %	13,0 %
PRIVATE ENTITIES	**60 654**	**72 711**	**84 041**	**17,7 %**	

Appendix no. 2: List of institutions and companies contacted with request for an interview

Advisory Council on AI, Canada	Huawei
AirBrain	IBM
Apple	IMDA Singapore
Armorblox	Imperial College London
Banjo	Intel
Berkeley University	Lilt
BIS (Security Information Service)	Microsoft
Caltech University	MIT
Cambricon	NATO
Cambridge University	NUKIB (National Cyber and Information Security Agency)
Carnegie Mellon University	NVIDIA
CIIRC (Czech Institute of Informatics, Robotics and Cybernetics)	Office for Artificial Intelligence, UK
CloudMinds	OpenAI
CloudWalk	Oxford University
Cornell University	Royal Institute of Technology, Sweden
Czech Technical University	Sense Time
Deep 6	Stanford University
Deep Mind	Technical University Munich
DJI	Tesla
European Committee	Ubtech Robotics
Facebook	UNICRI (Centre for AI and Robotics)
Faculty of Mathematics and Physics, UK	University of Birmingham
Good AI	UZSI (Office for Foreign Relations and Information)
Google	Yale University
Harvard University	ZTE

Appendix no. 3: List of questions for interviews

- What do you understand as "Artificial Intelligence"?
- Do you consider AI to be a dual-use technology?
- Is there a visible difference between the AI development of states and of AI developed by private actors? Focusing on the pace of development, the volume of investments, number of patents, etc.
- Do you know of any examples, when was the AI or AI-enabled technology used against a state? If so, could you please provide more details?
- Do you consider the AI to have any advantages when used against the state by a private sector?
- Is there, now, any reason to be afraid that private companies may use the AI or AI-empowered technology against a state?
- Do you believe private actors may have any benefits from such actions as using the AI against a state?
- Do you believe this situation might change over the following years?
- What steps may state (individually or collectively – EU, NATO, etc.) do to limit the potential threat?