

Index

- AI definition, 21, 22
- AI fatality, 33, 55
- AI legal neutrality, 2–4, 9, 13, 37, 51, 70, 72, 92, 135, 136, 138, 143
- AI winter, 21
- AI-generated crime, 115, 119, 120, 126, 129, 130, 131, 132
- algorithmic bias, 137
- alternative dispute resolution, 139–141
- animal intelligence
 - Koko the gorilla, 23
 - Naruto, 81
- anticommons, 108
- artificial general intelligence, 24, 98, 99, 106
- artificial neural networks, 30
- augmentation, 2, 12, 17, 93, 98–100, 103, 108, 140
- automation
 - agriculture, 5
 - health care, 2, 10, 56, 89, 101, 135
- automation tax, 47
- autonomous vehicle, 8, 10, 22, 55, 56, 58, 59, 62, 67, 68, 69, 114

- basic income, 41
- big data, 31
- Bill Gates, 42
- biological computer, 86
- biologics, 89, 109
- black box, 32–33, 137

- cases
 - Burrow-Giles v. Sarony, 80
 - Burwell v. Hobby Lobby Stores Inc., 128
 - Calmar v. Cook Chemical, 95
 - Citizens United v. Federal Election Commission, 128
 - Cuno Engineering v. Automatic Devices Corp., 95
 - Diamond v. Chakrabarty, 87
 - Express Newspapers plc v. Liverpool Daily Post & Echo, 82
 - Graham v. John Deere, 95
 - Greenman v. Yuba Power Products, Inc., 55
 - Hotchkiss v. Greenwood, 94
 - In re Trade-Mark* cases, 79
 - In re Winslow, 97
 - KSR v. Teleflex, 96
 - MacPherson v. Buick Motor Co, 54
 - Mobil Oil Corp. v. Amoco Chemicals Corp., 103
 - Nova Productions Ltd v. Mazooma Games Ltd, 82
 - Roberts v. Ring, 66
 - United States v. Adams, 95
 - Vaughan v. Menlove, 66
- Chinese room argument, 25
- Confucianism, 136
- connectionist AI, 28, 29
- corporate self-employment tax, 47
- crime, 13–16, 111–133
- CRISPR, 22

- decentralized autonomous organization, 34
- distributed ledger technology
 - blockchain, 34
 - cryptocurrency, 34
 - smart contracts, 34
- dynamic statutory interpretation, 86–87

- early automata, 19
- eBay, 140

- Elon Musk, 3, 22, 41
 European Commission, 31, 127
 European Parliament, 42
 explainability, 13, 32–33, 51, 62, 137, 141
- famous AI
 Analytical Engine, 19
 Antikythera mechanism, 19
 Chinook, 29
 COMPAS, 137
 Creativity Machine, 72, 98
 Deep Blue, 16, 21, 29, 31, 75
 Deep Thought, 75
 DeepMind, 12, 99, 104, 105, 106, 1, 33, 101
 Difference Engine, 19
 ENIAC, 20
 HiTech, 75
 Invention Machine, 74–75, 85
 Legal Decisionmaking System, 140
 Logic Theorist, 28
 MYCIN, 28
 Random Darknet Shopper, 111
 Robot Sophia, 111
 Tay, 33
 The DAO, 34, 35
 Watson, 10, 56, 75, 76, 78, 101, 102, 104, 105, 106, 107, 2, 24, 75, 76, 83, 85, 86, 88, 90, 98, 101
 Xiao Yi, 2
 Xiaoice, 33
- fiction
 Frankenstein, 18
 golem, 18
 mythical automata, 18
 Rossum's Universal Robots, 20
The Matrix, 20
The Sorcerer's Apprentice, 18
The Terminator, 20
 The Three Laws of Robotics, 20
 Flash of Genius doctrine, 11, 85–86, 95, 101
- general intelligence, 24
 genetic programming, 73, 74
- heuristics, 28
 human agency, 138
 human authorship requirement, 79–81
- ImageNet, 30–31
 Industrial Revolution, 52
 infinite monkey theorem, 29
 intellectual property, 10–13, 71–110
- judges
 Benjamin Nathan Cardozo, 3
 David Kitchin, 82
 John Whitford, 82
 Learned Hand, 97
 Oliver Wendell Holmes, Jr., 66
 Potter Stewart, 93
 Richard Posner, 84
 Robert Jackson, 86
 William H. Orrick III, 81
- key characteristics of AI, 32
- legal personality, 3, 4, 35, 127, 128, 133
 lethal autonomous weapon system, 18, 139
 Luddites, 5
- Mark Zuckerberg, 41
 market exclusivity, 109
 medical error, 56
 mens rea, 112
 Microsoft, 31
Monkey Selfies, 81
- negligence, 8, 9, 50, 51, 53, 54, 55, 58, 59, 60, 61, 62, 63, 64, 65, 66, 68, 69, 70, 113, 125, 130, 131, 132, 133
 Neuralink, 22
- online dispute resolution, 140
- physicality, 33
 politicians
 Franklin D. Roosevelt, 86, 95
 John F. Kennedy, 36
 Thomas Jefferson, 91, 94
 predictability, 32–33, 60, 87
 privacy, 136
 product liability, 8, 9, 51, 54, 55, 58, 63, 132, 140
- reasonable person, 8, 9, 12, 51, 53, 54, 61, 67, 68, 69, 70, 92
 reasonable robot standard, 9, 51, 67, 68, 69, 70
respondeat superior, 119–120
 responsible person, 130–132
- scholars
 Ada Lovelace, 19
 Alan Turing, 25, 26, 85, 86, 134
 Alfred North Whitehead, 18
 Allen Newell and Herbert Simon, 28, 29
 Aristotle, 124
 Arthur Samuel, 28
 Charles Babbage, 19, 20, 21

scholars (cont.)

Charles Darwin, 23
 Charles Spearman, 24
 Claude Shannon, 50
 David Chalmers, 26
 Edmund Berkeley, 25
 Frank Sander, 140
 Georg Wilhelm Friedrich Hegel, 83
 Immanuel Kant, 83
 Irving John Good, 24
 Isaac Asimov, 20
 John Koza, 74
 John McCarthy, 141, 21
 John Searle, 25
 Larry Tesler, 22
 Lawrence Summers, 42
 Leonardo da Vinci, 20
 Nick Bostrom, 24
 Niels Bohr, 92
 Pablo Picasso, 71, 88
 Philippa Foot, 123
 Plato, 136
 Protagoras, 143

René Descartes, 23
 Stephen Hawking, 1, 3
 Stephen Thaler, 72
 Thomas Moore, 136
 singularity, 24, 99, 134
 creative singularity, 97
 skilled person, 12, 95
 specific artificial intelligence, 24, 33, 98,
 99, 103
 strict liability, 8, 51, 54, 55, 60, 67, 68
 strong AI, 25
 superintelligence, 13, 24, 25, 33, 83, 98–99, 135
 symbolic AI, 28

 tax, 4–7, 36–49
 teaching, suggestion and motivation test, 96
 technological unemployment, 3–5, 36–42
 tort, 7–10, 71–110
 transparency, 136, 138
 Turing test, 25, 85

 US Constitution, 78, 82, 87, 127
 United Kingdom law, 5, 81–82