LAW4039 Notes

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Contents

1 Lecture 1: Society, Institutions, Risk, and AI

1.1 R1: Why the US Went to War in Vietnam

https://www.fpri.org/article/2017/04/united-states-went-war-vietnam/

1.2 R2: Five years after Deepwater Horizon, what has the disaster taught us?

https://www.minnpost.com/earth-journal/2015/04/five-years-after-deepwater-horizon-what-has-disaster-taught-us/

1.3 R3: A Declaration of the Independence of Cyberspace (1996)

1.4 R4: The Great AI Awakening, N.Y. Times Magazine (Dec. 14, 2016)

1.5 R5: Regulating AI Systems: Risks, Challenges, Competencies, and Strategies

1.6 R6: Russell and Norvig, AI (2015)

1.7 R7: Suleyman and Musk: Humans Must Become Cyborgs to Avoid AI Domination

1.8 R8: Chui: Applying AI for Social Good, Discussion Paper, McKinsey and Co

1.9 Lecture Notes

The challenge for technologists: learning a little bit of law during these 10 weeks.

1.9.1 A tragic instrusion

The hardest cases to discuss and analyze: the death penalty cases (these ones go to California Supreme Court). Example: intrudred enters the home of a woman who's home with her four year old son. Mother was stabbed, and bleeds to death.

Important questions:

- How to structure a six-picture "show-up" for the child at the push of a button?
- Do we use pervasive surveillance capacity into an ML-enabled infrastructure for security?

Death penalty cases are not-unlike analyzing the ethics of AI systems, where one must weigh the balance between different foundational ethical principles.

Two AI based approaches:

- GANs to generate images based on textual descriptions.
- Convolutional neural networks for facial recognition / person tracking.