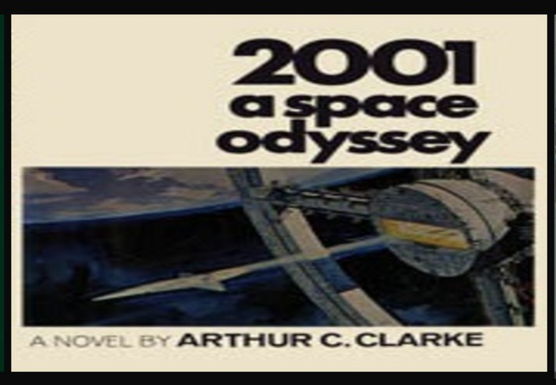
Artifical Intelligence.

*Hello, my name is Ian Brown and this is my **Artifical Intelligence** resource center. Here, I will present the three major conclusions I have come to as a result of my research on this extremely nuanced and highly technical topic.*

Soures Consulted

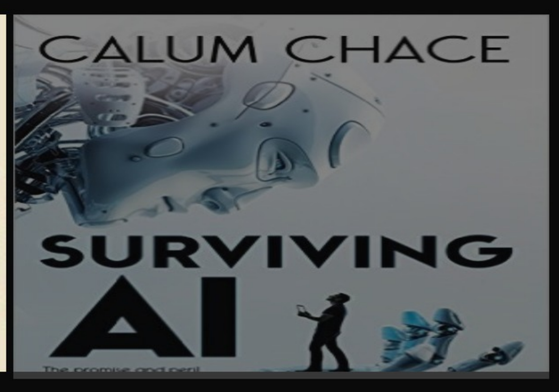
I, Robot

Isaac Asimov



2001: A Space Odyssey

Arhtur C. Clarke



Surviving AI

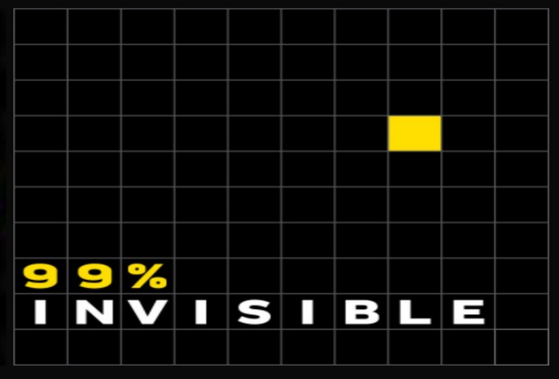
Calum Chace

Humans Need Not Apply

CGP Grey

Computerphile

Brady Haran and Sean Riley



99% Invisible

Roman Mars

Prerequisite Information

ANI (Artifical Narrow Intelligence)	**ANI** can be defined as an AI system that is excels in performing very specific tasks, but is very limited in its scope.	Artificial narrow intelligence is already an integral part of our lives. ANI is present in our smartphones, airplanes, cars, and search engines to name a few notable examples.
AGI (Artifical General Intelligence)	An **AGI** would possess reasoning and learning capabilities greater than or equal to its human counter parts coupled with the computational capablities of an ANI.	Interesting fact: With current computing technology, electrical signals can travel around at a rate approximately 2 million times faster than they do in a human brain. If a computer had reasoning and metacognition greater than or equal to a human combined with this processing speed, it could recursively improve upon itself or build more sophisticated AI with speed and precision that we cannot comprehend. This is known as the "intelligence explosion."
Technological Singularity	The point at which artificial intelligence makes the leap from ANI to AGI is called the **"technological singularity"**. This point can be thought of as the climax of our technological development.	The technological singularity is perfectly analogous to the event horizon or singularity of a black hole; we have no way of accurately knowing what is on the other side.

ANI Example: Quadratic Equation Solver

Solving Quadratic Equations ($Ax^2 + Bx + C$)	
A	
B	
C	
Solve	
x1 =	
x2 =	

Conclusions

Feasibility	Given **Moore's Law** which states that our total computing power doubles every two years in an exponential curve, it seems quite apparent that we will eventually achieve such technology.	We will most likely achieve such technology through one of two methods: **whole-brain emulation** and **machine learning**
Saftey	If we create an AGI and potentially a **superintelligence**, the question of whether it would be benign, hostile or indifferent is possibly the most important question humans will have to answer. This is referred to as the "control problem."	If this AGI is friendly, it could be used to help us solve nearly any problem imaginable. You could present this AI with a social, political, or scientific problem such as finding a cure to cancer and having it think through every possible physical scenario and find a cure in a matter of seconds. On the other hand, imagine this technology being used against us. If the AGI is hostile or even indifferent to us, this could spell extinction.
Consciousness	Is it possible for an AI system to exhibit consciousness?	"Our brains are existence proof that ordinary matter organized in the right way can generate intelligence and consciousness." - Calum Chace