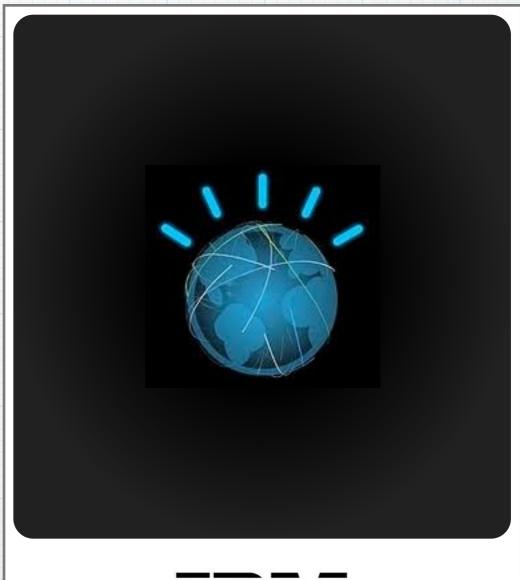
Early Science Fiction Predicted Modern Technology



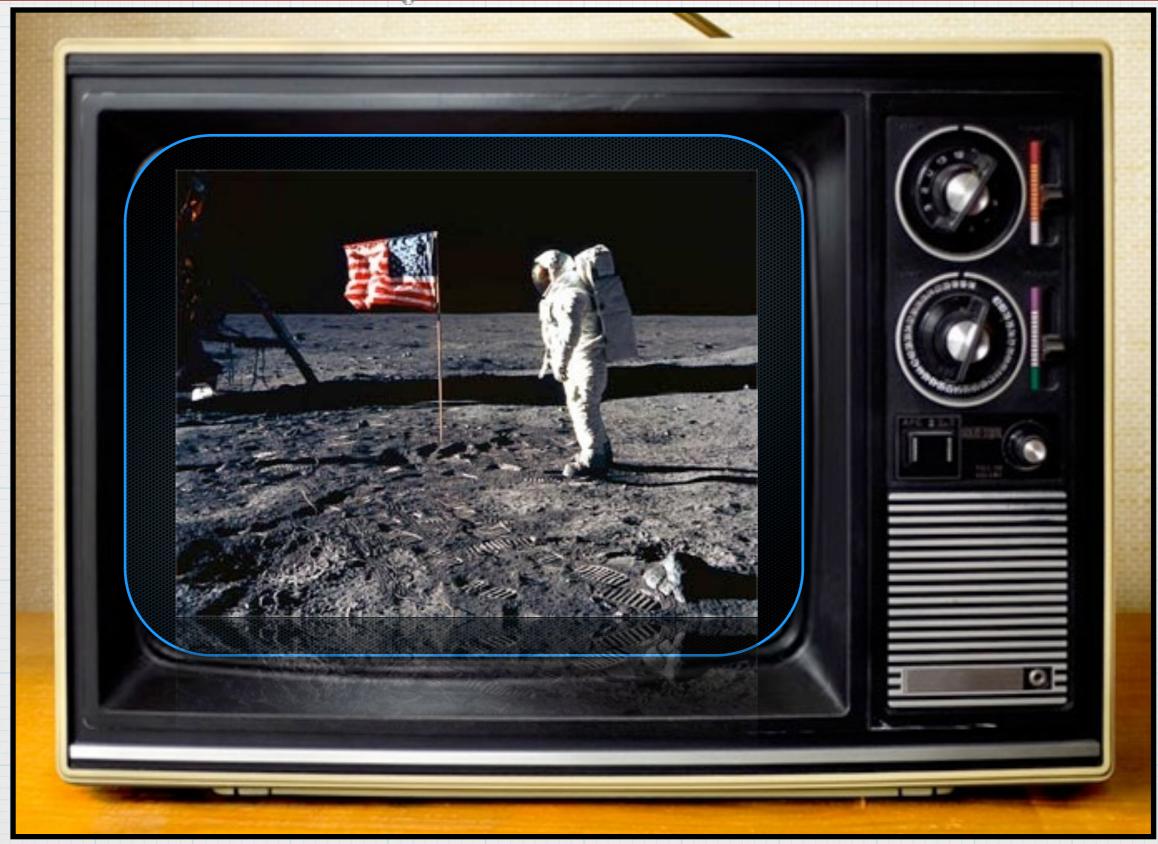
Alan G. Labouseur alan@Labouseur.com





IBM

I'll take Science Fiction and Technology for \$4000, Alex



HAL

2001 A Space Odyssey - 1960s



- Powerful but paranoid
- Natural Language Processing
- Speech recognition and synthesis
- Data analysis and reasoning
- Chess playing



Space Travel

Destination Moon - 1950s 2001 A Space Odyssey - 1960s

 G-forces, single stage rocket, the silence of space.



Artificial gravity through rotation.









SAGE

IBM, MIT, Burroughs - 1960s



Lost in Space - 1960s







Enterprise Computer

Star Trek - 1960s

- Natural Language Processing
- Speech recognition and synthesis
- Data analysis and reasoning
- Three-dimensional Chess playing
 - Should be able to beat Spock.





Matter / Antimatter

1960s - Star Trek's fuel for the warp core.



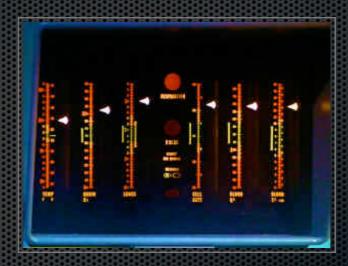


 2010s - Anti-hydrogen created and briefly stored at CERN's Large Hadron Collider.

More Star Trek → today











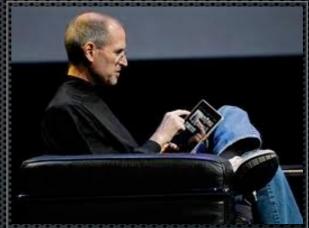


More Star Trek → today













Colossus

Charles A. Forbin - 1970s

A computer that ruins the lives of the people around it, violates their privacy, and makes them paranoid.



- That could never happen, right?
- What could possibly go wrong?





Identity and Privacy

- Blade Runner 1982
 - Uncertain Identity
 - What does it mean to be human?









Hunter/Killer Drones

Terminator - 1984

- Then: Dystopian future of aerial Hunter-Killer drones controlled by machines and used to kill people.
- Now: Aerial Hunter-Killer type drones controlled by people (for now, see Colossus) used to kill people.

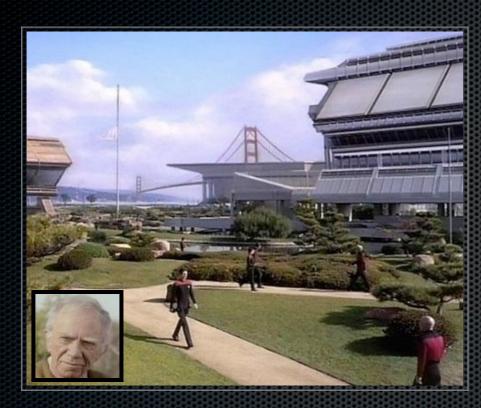






Education

Starfleet Academy and Marist . . .





... producing leaders of the future.

HAL

2001 A Space Odyssey - 1960s

- Powerful and paranoid
- Natural Language Processing
- Speech recognition and synthesis
- Data analysis and reasoning
- Chess playing













Watson

IBM Research - 2011



- Natural Language Processing
- Speech recognition and synthesis
- Data analysis and reasoning
- Successor to chess-playing Deep Blue











