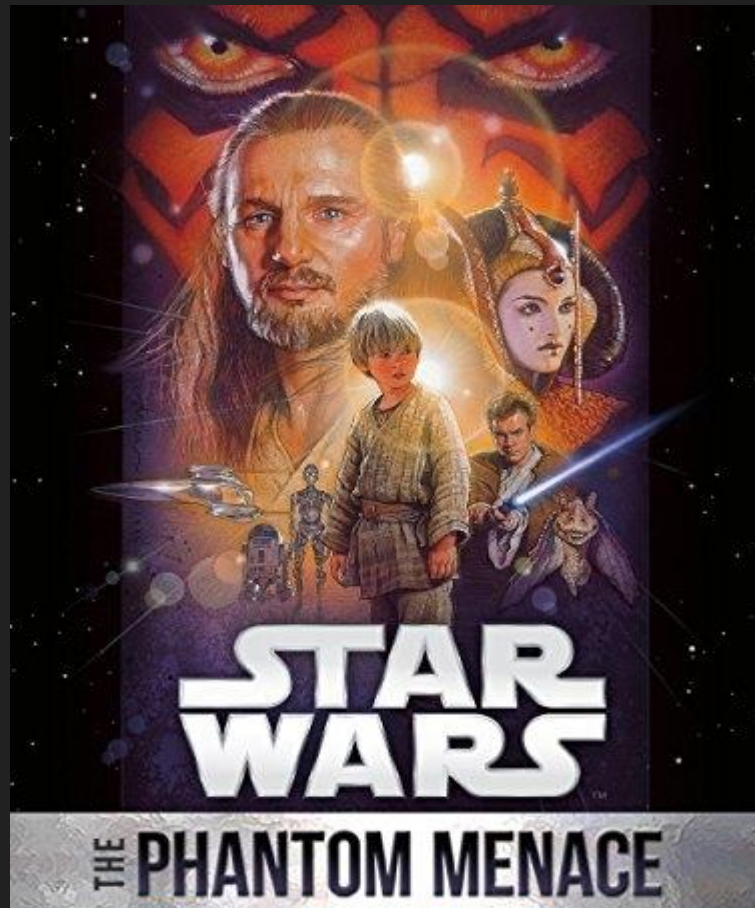# Episode I: The Phantom Menace

Ezra Davis, Walt Gallati, Margvelashvili Vakhtang, Yihong Zhou

Overview

- Summary

- Technologies

- Effects on Filmography

- Conclusions
  - Redundancy
  - Artificial Intelligence
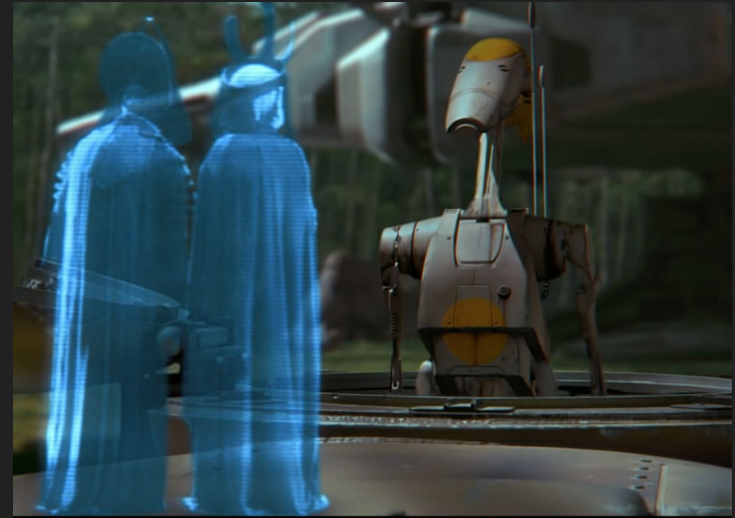

[1]

Summary of the movie

- Blockade of Naboo.
- Jedi rescue Queen Amidala
- Arrive at Tatooine, meet Anakin
  - Anakin wins pod race and freedom.
  - Qui-Gon finds strong force in Anakin.
- Arrival at Coruscant
  - Padme cannot get diplomatic assistance
  - Anakin is banned from being trained by Qui-Gon
- Return to Naboo.
  - Final battle.
- Anakin destroys droid ship.

[1]

List of information technologies

- 3D display in air (created in 2011) [2]
- Handheld 2 way radio (1923 Police radio, 1940 Hand Talkie) [3][4]
- Republic Credits are cryptocurrency, akin to BitCoin (2009) [5]
- Touchscreen tablets (Apple Newton 1993) [6]
- Slave transmitter implants (Pacemaker 1958)[7]
- Rear view camera (Law 2007)[8]
- Robots
- Faster-than-light communication
  - Large data transfer capabilities
  - Traceable from transmitter and receiver
  - Highly reliable
  - Jammable
- No recording technology

[1]

Phantom Menace Paved way for Digital Filmography

- Jar Jar Binks was fully computer generated. [9]
- Had more visual effects done in post processing. [9]
- First movie projected to the public with digital projectors. [10]
- Some scenes were filmed digitally. [11]

[1]

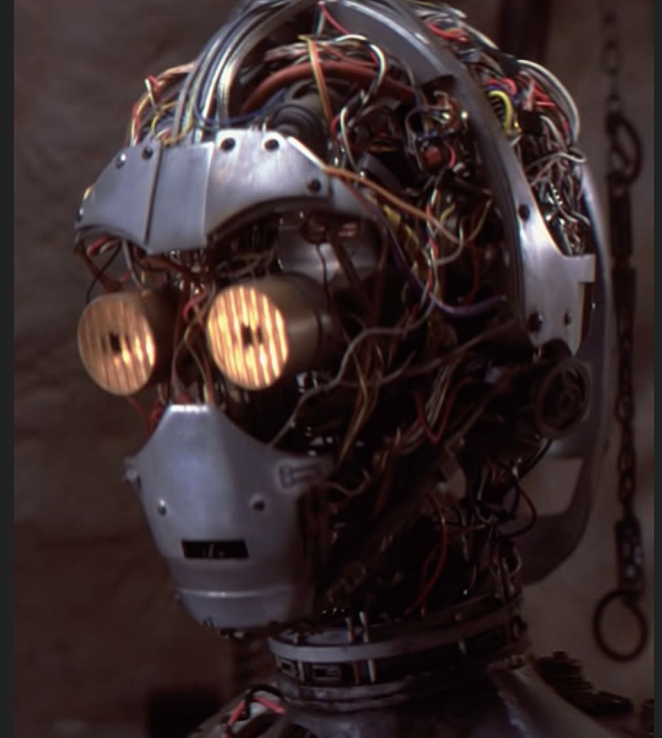# Redundancy is the difference between failure and success

- Destruction of single droid ship causes all droids to shut down

- Anakin wins pod race because of redundant systems

- Naboo ship runs the blockade because of redundant Astromech droids

[1]

6

Inferiority of AI: How droids are portrayed

- Robots are self-aware and have some capacity for self-preservation

- Sentient life can be built by 9 year old in slave conditions

- Societal expectation of abuse (Pit Droids)

[1]

Inferiority of AI: Implications to AI

- Lower than Slave Labor

- Inferior to biological beings (Gungan army defeats droids)

- Only robot recognized for service is non-human

[1]

Conclusion

- Summary

- Technologies

- Effects on Filmography

- Conclusions
    - Importance of Redundancy
    - Inferiority of Artificial Intelligence

[1]

References

[1] *Watch Star Wars: The Phantom Menace (1999) online - Amazon Video*. (2017). *Amazon.com*. Retrieved 27 April 2017, from https://www.amazon.com/Star-Wars-Phantom-Liam-Neeson/dp/B00VF18WWG/ref=sr_1_2?ie=UTF8&qid=1491774128&sr=8-2&keywords=phantom+menace

[2] Kimura, H., Asano, A., Fujishiro, I., Nakatani, A., & Watanabe, H. (2011, August). True 3D display. In ACM SIGGRAPH 2011 Emerging Technologies (p. 20). ACM.

[3] Wireless patrol [Image]. 1923, Victoria Police Museum. Retrieved April 28, 2017 from http://inthelineofduty.com.au/timeline.asp?iID=182

[4] A Legacy of Innovation: Timeline of Motorola history since 1928. *Motorola* Retrieved April 28, 2017, from https://www.motorolasolutions.com/en_us/about/company-overview/history/timeline.html#1940

[5] Sagona-Stophel, K. Bitcoin 101 How to get started with the new trend in virtual currencies. WHITE PAPER. *Thomson Reuters*

[6] Honan, M. (2013, August). Remember the Apple Newton's Prophetic Failure and Lasting Impact. *Wired*. Retrieved April 2017

[7] Altman, L. (2002, January 18) Arne H. W. Larsson, 86; Had First Internal Pacemaker. *The New York Times*. Retrieved April 2017

[8] Cameron Gulbransen Kids Transportation Safety Act of 2007, Pub. L. 110–189 122 STAT. 639

[9] Lucas, G. (Director). (2014, April 5). The Beginning: Making Star Wars: Episode I The Phantom Menace (Full Version) [Video file]. Retrieved April 28, 2017, from https://www.youtube.com/watch?v=da8s9m4zEpo

[10] In a First, 'Phantom Menace' to Be Screened in Digital (1999) *LA Times* Retrieved April 28, 2017, from http://articles.latimes.com/1999/jun/04/business/fi-44024

[11] De Lange, S. (2014, December 19) STAR WARS' FIRST DAYS OF SHOOTING, PART 2: THE PREQUEL TRILOGY. Lucasfilm Ltd. Retrieved April 28, 2017, from http://www.starwars.com/news/star-wars-first-days-of-shooting-part-2-the-prequel-trilogy