The Future of Cybersecurity

A presentation by Michael Gee

What is Cybersecurity?

- Cybersecurity is the practice of ensuring the integrity, confidentiality and availability of information.
- Prevent hacking!
- Regulation and Risk assessment.





3 Key Points

- Integration of Artificial Intelligence
- BIG BIG Data
- Securing The Internet of Things (vague huh?)

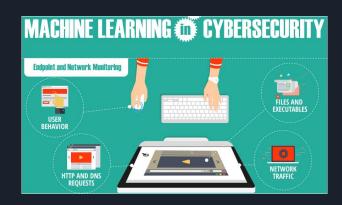




Integration of Artificial Intelligence

- AI helps cybersecurity people attack hackers.
- Helps save workers time.
- Algorithms find bugs humans can't detect.

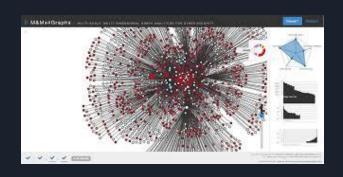




BIG BIG DATA

Data helps:

- Classify and categorize cyber threats.
- Help visualize cyberattacks
- Use of Historical Data.





Securing The Internet of Things

- There will be 15 billion IoT devices by 2021
- Drastic effects on the Healthcare Industry if not dealt with
- Potential increase in DDoS attacks





Sources:

Main article:

https://securityintelligence.com/the-future-of-cybersecurity/

Other articles to help clarify things:

https://medium.com/qtma-insights/the-future-of-cyber-security-one-small-step-for-man-one-giant-leap-for-ai-5133a2ab335a

https://www.csoonline.com/article/3233951/machine-learning/how-ai-can-help-you-stay-ahead-of-cybersecurity-threats.html

https://www.csoonline.com/article/3139923/security/how-big-data-is-improving-cyber-security.html

http://resources.infosecinstitute.com/ai-really-future-cyber-security/#gref