ISEC-615 - Fundamentals of Cybersecurity

Assignment No. 3 - Cybersecurity Attacks and Defense

Due: 07/07/2019

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Dr. Yair Levy

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 **Bad Actors in Cyberspace:** Identify the bad actors in cyberspace, compare and contrast their resources, capabilities/techniques, motivations and aversion to risk (Use references to support your claims).

 **Types of Cybersecurity Attacks:** In your own words (no quotes, but use references to support your claims) describe five different types of cybersecurity attacks and their characteristics.

**Types of System Attacks:** In your own words (no quotes, but use references to support your claims) describe three different potential system attacks and the actors that might perform them.

**Cyber Defense:** In your own words (no quotes, but use references to support your claims) describe three different cyber defense tools, methods, and components, as well as how to apply cyber defense methods to prepare a system to mitigate attacks (kill chain).

 **Cyber Defense Partners/Structures/Programs:** In your own words (no quotes, but use references to support your claims), describe the Federal, State, and Local Cyber Defense partners/structures/programs by outlining at least three examples.

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Certification of Authorship of Assignment



Submitted to: Professor Yair Levy.

Student’s Name: Eric Webb

Date of Assignment: 07/07/2019

Title of Assignment: Assignment No. 3 - Cybersecurity Attacks and Defense

Certification of Authorship: I hereby certify that I am the author of this document and that any assistance I received in its preparation is fully acknowledged and disclosed in the document. I have also cited all sources from which I obtained data, ideas, or words that are copied directly or paraphrased in the document. Sources are properly credited according to accepted standards for professional publications. I also certify that this paper was prepared by me for this course.

Student's Signature: ERIC WEBB