**Cybersecurity Lecture 1 – Types of Hackers**

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| **Topic:**  Type of Hackers | **Course**: Comp 552 - Introduction to Cybersecurity  Lecture 1 date: July 20, 2021 |
| **Key Ideas discussed**:   * Why this is such a hot topic now? * Hackers’ motivations, political, personal, emotional, or Just because I can. * Black Hats * White Hats * Grey Hats? * Personal/emotional * Hacktivist * Are hackers good or bad? | **Notes**:   * The Number of attacks daily is raising to a staggering number, and with COVID19 and working from home and studying from home, the use of the cloud and all personal, banking data are becoming vulnerable. * Why do hackers hack? --- just look at their motivations they vary and that is why we have various types of hackers, not all hackers are created equally. * Black Hats, for financial gain and other type of rewards. * White Hats, they see security issue and highlight it to help the world * Grey Hats, can be made up from white or black hats and they tend to straddle the lines (just as you can imagine white and black combined) * Vendetta hackers (the bank charged me NSF so they should pay, I lost my house, the bank should suffer…. etc.).   .   * Politically motivated not necessarily good cause but they vary from protests like green peace’s to militant like anonymous hacker group. * Both……good and bad, just like a hammer it can be used in construction to build but can also be used in crime to kill. |
| **Summary**:  It is critical to identify the type of hacker to be able to understand their motivations and better understand how to protect your organization from their hacking activities.  Hackers were not always known as a bad thing; we can contribute our computer science advances to hackers (example Steven Wozniak and the use of the blue boxes) \*\*\* explore more \*\*\*\* | |