

Cyber Security

- ❖ Think Like a Hacker, Defend Like a Ninja
 - Passwords need to be more difficult to guess but easy for someone to remember.
 - CIA- Confidentiality, Integrity, Availability.
 - As more information reaches the internet, cybersecurity gets more and more important.
 - Some people hack to spread a political message (Anonymous)
 - One of the best defenses is email and application firewalls.
- ❖ Panel Discussion
 - Forefront of modern network security. Borderless, BYOD, virtualization/cloud
 - The future of Network Security is important because things will get harder to control.
 - Being a Network Security Expert is an important job and you get a lot of money.
 - Security is everybody's responsibility.
 - Understand collected data.
- ❖ Trends in Malware
 - Malware is any program meant to do damage to a computer or configure/corrupt files.
 - An attack usually scouts, infiltrates, spreads, and then attacks.
 - Worms, viruses, Trojan horse, rootkit, spyware, adware.
 - Worms- infects without any user interaction, Trojans- malicious code hidden in programs that can manipulate them to cause damage, Rootkit- can't propagate their selves. They are blended into snippets of code (dropper, loader, and rootkit), Spyware- like Trojan horse but they take user information, Adware- a form of spyware in ads.
 - Our defense is either architectural or intelligence-led and contextual
- ❖ Protecting Yourself From Yourself
 - From instinct, people trust strangers.
 - What affects security the most is behavior.
 - People react as a herd and not individually.
 - Revenge is best brought upon someone later in life instead of right after the situation happens.
 - People forget passwords after going away for a long while, so the day after vacation is a great time for hackers to get into people's accounts.