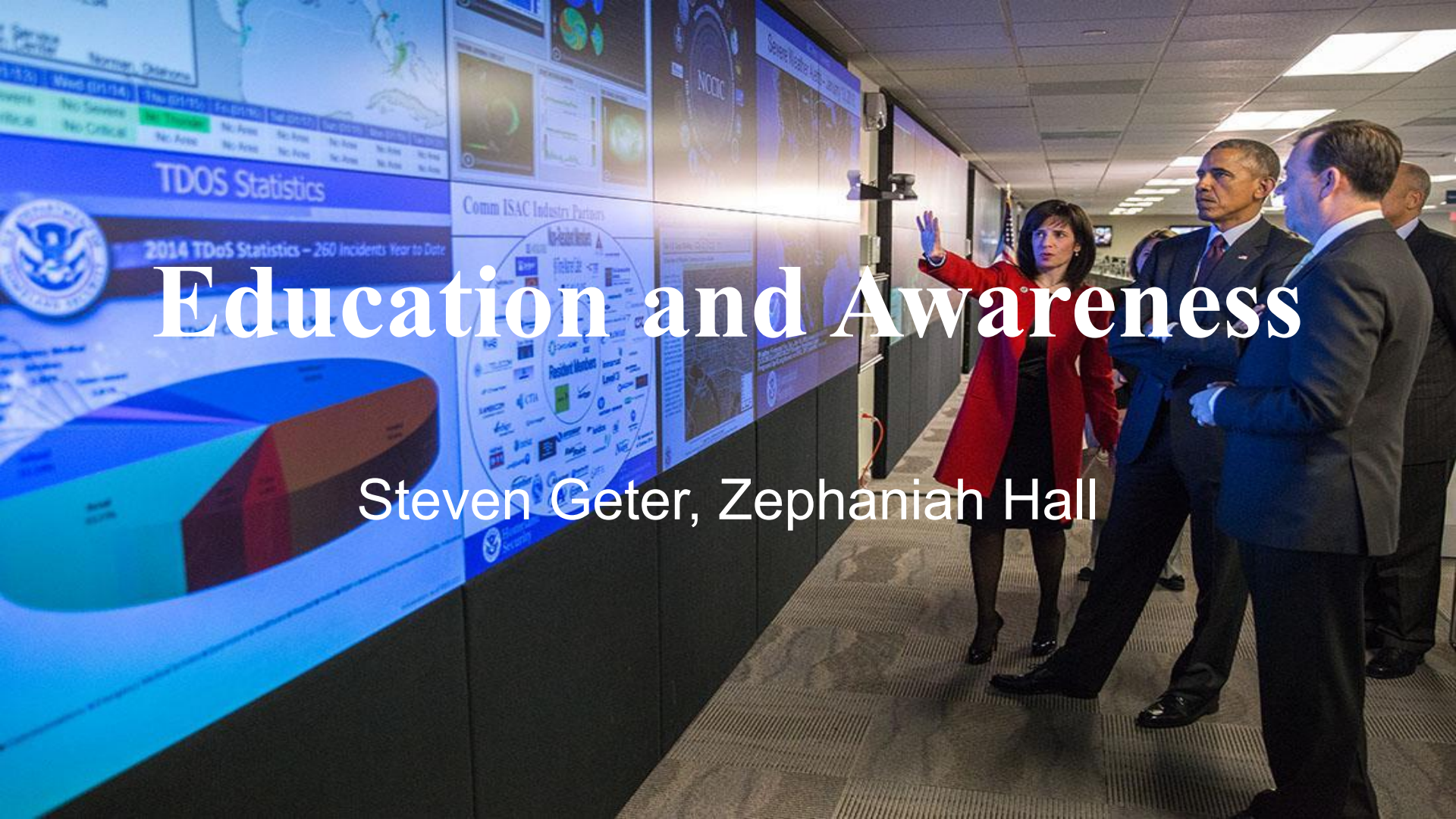


# Education and Awareness

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# Introduction

- Cybersecurity continues to grow day by day beyond technical aspects
- Humans are first line of defense, systems falling behind
- Most exploits can come from human error
- Education is key, falls into society, work, and schools



# Education in Schools

- Teaches students safe behavior with internet behavior
- Students are already online, and most likely parents information can be linked to their games or school systems. Learning this education can protect both students and parents
- Starts the responsibility and digital citizenship early so it becomes a habit
- Creates social norms that influences people to follow: creating strong passwords and understanding suspicious links



# School education & awareness part 2

Teaching cybersecurity awareness in later levels of education is also important because

- It ensures the upkeep of positive internet safety and digital presence, as well as digital citizenship and digital literacy
- Ensures that certain skills are maintained and used like critical thinking, combating misinformation, and with recent implications of ai technology, maintaining awareness is crucial in the defense and usage of the technology.



# Workplace Education

- Having employees with right training reduces risk towards majority
- Not as much room for error because of the effect it has on others
- Needs to be repeatable training that focuses on real-world scenarios.



# Society Awareness

As technology becomes more frequently used in society, increasing the awareness of different ways it is being used is essential. This means protecting yourself in everyday life and examples could be by

- Multifactor authentication's (MFA's)
- Virtual Private Networks (VPN's)
- Turning off bluetooth and location services when not using them
- Having airdrop off or only to selected people
- Not scanning bar or qr code's
- Being aware of what links and or things are being shared to your devices
- Even Privacy screen protectors and things to safeguard information.

These techniques and resources are all helpful in maintaining the safety of your devices. Being aware can save information, and your security.

# Economic Awareness

Simple things can be used by people to protect themselves economically include

- Rfid wallets to protect cards and other important contactless technology.
- Ensuring the safety of pin pads on atm's and when purchasing goods/services
- Two-factor authentication when making purchases
- Ensuring different cards are locked when not in use.
- Updating accounts and passwords to different banking sites, and other important facilities regularly.

Also double checking whatever discount codes and or websites you may receive, ensuring that the website is real so you don't end up wasting money or getting scammed or phished.

# Effective Awareness Programs

- Programs should be simple but provide emotion and repetition so people can remember, your behavior changing is what alters your awareness
- Real life situations that interpret the rules of cybersecurity help people change their behavior and mentality.
- This also adds on to the way others can socially connect, if they see a peer connecting with cybersecurity, it helps grab their attention too; but the program has to set the standard.



## Designing the training curriculum of A SECURITY AWARENESS TRAINING

- 1 Cybersecurity Fundamentals
- 2 Identifying and Responding to Phishing Attempts
- 3 Secure Password Management
- 4 Social Engineering Tactics and Prevention
- 5 Data Protection and Privacy Regulations
- 6 Incident Response Procedures
- 7 Safe Internet and Email Practices

# Conclusion

Cybersecurity is more than just a technical asset, but also for the benefit on social and human development. Technology can be advanced at a top-tier level, but can still be bypassed by a mistake. This is what makes it essential for the cybersecurity education at all levels to be incorporated into the general public. For cybersecurity to be effective it needs to change behavior, which includes demonstrations of behavioral and psychological traits.