

Shawn Ziegler

CYSE 200T

Write-Up

4/5/25

## The Human Factor in Cybersecurity

### **Introduction**

If I were the chief information security officer with a limited budget. I would try and balance technology and training investments. In today's society it is crucial that companies invest in training their employees to be aware of cyber threats and attacks rather than investing in upgrading technology.

### **Training vs Technology**

Training is a more effective way to prevent cyber threats because people are able to identify cyberattacks and figure out solutions to handle these attacks. In cybersecurity, training is a critical investment to ensure the company is protected from threats. Although technology is used as a safeguard against cyberattacks, technology tends to become outdated and needs to be replaced to adapt to technological advancements. These technological sources used in cybersecurity also may require a lot of maintenance to ensure they are working efficiently. Investing in training is a more cost-effective investment as well as allows employees within the organization an opportunity to work proactively and gain new skills. A problem that technology in cybersecurity presents is that it tends to only offer a one-size-fits-all approach. The investment in training programs allows for employees to gain skills depending on their role in the company,

but also allows them the opportunity to gain new skills depending on the company's needs (Cyberbitsetc.).

## **Conclusion**

As the chief information security officer, I am prioritizing the investment in training rather than investing in technology within cybersecurity. Although technology plays a vital role in providing defense against cyberattacks and threats, it has a huge impact on cost-effectiveness. The investment in training presents more efficiency and allows for employees to develop specific skills as well as adapt to new skills without impacting the budget of the company. Training programs allow for a more cost-effective approach and more flexibility within the company and also allow employees to be well trained. Investing in training programs allows this organization to provide effective safeguarding tactics against cyberattacks.

## Sources

Google. (n.d.). *Cyberbitsetc - why is cyber security about human behavior?*. Google Docs.  
<https://docs.google.com/document/d/1QpIIrfcKlmkSOuKt9i0Kte72kYrukFeCm1wj9DxpnGU/edit?tab=t.0#>