The Range

What is the CSU Cyber Range?

The Columbus State University Cyber Range is a state-of-the-art virtual environment that simulates real-world cyberattacks, giving students hands-on cybersecurity training. It provides a safe space to develop and practice critical cybersecurity skills. Using realistic scenarios, often involving simulated attacks on fake company networks, the Cyber Range offers an immersive and practical learning experience.

Benefits of the CSU Cyber Range for Current and Future Students:

- **Gain Real-World Experience:** The Cyber Range provides hands-on experience in a simulated environment, allowing you to develop practical cybersecurity skills that are highly sought after by employers. Engage in realistic attack simulations and learn how to defend against real-world threats.
- **Develop In-Demand Skills:** Master essential cybersecurity tools and techniques, including network security, penetration testing, and incident response to name a few.
- **Enhance Your Resume:** Experience in the Cyber Range gives you a significant advantage when applying for internships and jobs in the cybersecurity field. Showcase your practical skills and demonstrate your ability to handle real-world scenarios.
- **Prepare for a Cybersecurity Career:** The Cyber Range helps bridge the gap between classroom learning and real-world practice, preparing you for a successful career in this high-demand field. Gain the confidence and skills needed to tackle complex cybersecurity challenges.
- **Network with Industry Professionals:** Connect with industry experts and potential employers through workshops, guest lectures, and networking events associated with the Cyber Range.
- **Boost Your Academic Performance:** Apply your classroom knowledge in a practical setting, reinforcing your understanding of cybersecurity concepts and improving your academic performance.
- **Build Your Portfolio:** Participate in Cyber Range exercises and projects to build a portfolio of your work, demonstrating your skills and experience to prospective employers.

- **Compete in Cybersecurity Competitions:** Use the Cyber Range to prepare for and participate in cybersecurity competitions (like capture the flag events), testing your skills against others and gaining valuable experience.

What Students Are Saying

Range Capabilities

The CSU Cyber Range offers a variety of capabilities, including:

- Realistic attack simulations (live-fire exercises)
- Incident response training
- Cybersecurity research platform

Partnerships and Collaboration

The CSU Cyber Range welcomes partnerships with businesses, government agencies, and other educational institutions. Contact us to explore collaboration opportunities.

Contact Us

To learn more about the CSU Cyber Range, don't hesitate to contact glieberman_sean@columbusstate.edu.

Tools and Resources (General Information)

While specific training materials are available to students within the Range environment, here are some general cybersecurity resources that may be of interest:

- Splunk
- freeCodeCamp - Introduction to Linux
- Try Hack Me
- TCM Security