



# WELCOME TO CYSER

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# VICEROY Northwest Institute for Cybersecurity Education and Research

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WASHINGTON STATE  
UNIVERSITY



MONTANA  
STATE UNIVERSITY



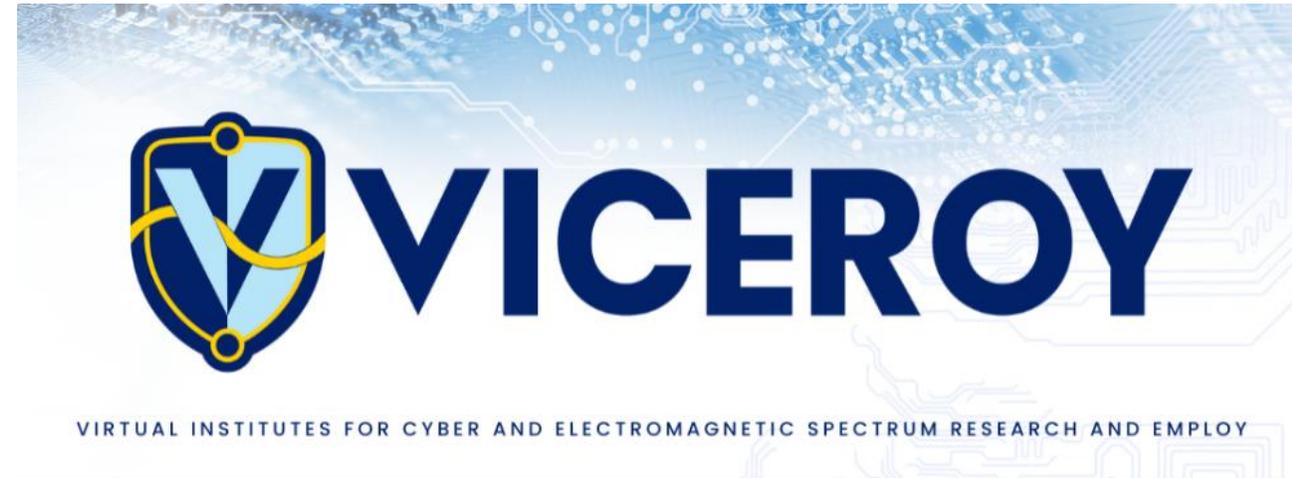
University  
of Idaho



Funded by the Griffiss Institute

[www.griffissinstitute.org/what-we-do/viceroy](http://www.griffissinstitute.org/what-we-do/viceroy)

- Provide an enhanced pipeline for future cyber leaders
- Increase diversity in the cyber workforce
- Stand as recognized leaders in technology areas of critical importance to our National Defense Strategy



## **Virtual Institutes for Cyber and Electromagnetic Spectrum Research and Employ (VICEROY)**

Program to establish academic cyber institutes at institutions of higher learning, to develop foundational expertise in critical cyber and spectrum operational skills for future military and civilian leaders of the Armed Forces and the Department of Defense, including such leaders of the reserve components.

# Cyber Security Group

<https://wsu.presence.io/organization/cyber-security-group>



# CYBERSECURITY CLUB

ARE YOU A COMPUTER SCIENCE MAJOR, AND/OR INTERESTED IN CYBERSECURITY?

COME TO ONE OF OUR UPCOMING MEETINGS IN ROOM 212 AT THE SPARK!

ANYONE WITH AN INTEREST IN COMPUTER SCIENCE IS WELCOME!

## UPCOMING MEETING INFO

**September 1, 5:30-7:30PM**

OSINT & its application to cybersecurity

Difficulty: Beginner

Bring a working laptop that can connect to the internet!

**October 6, 5:30-7:30PM**

Password cracking!

Difficulty: Beginner

Bring a working laptop that can connect to the internet, and have Hashcat installed (<https://hashcat.net/hashcat/>)

**November 3, 5:30-7:30PM**

Network packet analysis

Why: If you want to be a network engineer, it's important to be able to analyze the information being sent in your network. This skill helps in finding attackers and debugging!

Difficulty: Intermediate

Bring a working laptop that can connect to the internet, and have Wireshark installed (<https://wireshark.org/>)



Scan the QR code to the left to join our Discord server!

# MAVEN Summer Internships

More information at:

[https://s3.wp.wsu.edu/uploads/sites/3267/2023/04/Slides\\_Cyser\\_Seminar\\_Glumich\\_AFRL.pdf](https://s3.wp.wsu.edu/uploads/sites/3267/2023/04/Slides_Cyser_Seminar_Glumich_AFRL.pdf)



AFRL

## 2023 VICEROY MAVEN SUMMER INTERNSHIP



- 45 first-year interns, 5 graduate assistants
- 12 June - 4 August 2023 in Rome, NY
- Leadership, writing, public speaking, research, capstone, and graduation dinner components
- New for 2023
  - AF/SF mission and electromagnetic spectrum (EMS) emphasis
  - Cyber and EMS-focused lectures on UAS, Satellites, Cyber-Enabled Munitions, SCADA, and Military IoT
  - Blue Book® cyber vulnerability assessment of a mission system
  - IEEE conference-style paper on research projects
  - Hands-on cyber and EMS exercises



# Seminars

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- <https://cyser.wsu.edu/seminars/>

## CySER Virtual Seminar

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Daniel Brown

Cybersecurity and Infrastructure Security Agency

Securing our Critical Infrastructure – Who is CISA and how can we help?

Sep. 18, 2023, 3:10 – 4PM Pacific

Team Link: [Click here to join the meeting](#)

Meeting ID: 250 633 736 414 | Passcode: Ei5E23

Call in (audio only) +1 509-498-6399 | Phone Conference ID: 184 509 059#

### Abstract:

The Cybersecurity and Infrastructure Security Agency (CISA) is the newest federal agency. We partner with both the private sector and other Federal agencies to secure critical infrastructure. During this seminar, we will discuss those relationships, the current threat landscape, and pathways for federal employment.

### Bio:

Daniel is a Cybersecurity Advisor for CISA region 10 (WA). He is a cybersecurity professional with experience working for city, county, and state organizations. He has also worked extensively in Higher Education, including 17 years at WSU. His work in the public sector has allowed him to understand that services need to be provided, even when budgets are challenging. His current position at CISA allows him to focus these experiences to provide no-cost services to support the 16 sectors of critical infrastructure.



VICEROY

**CySER**

<https://cyser.wsu.edu/>

- Information on up-coming seminars
- Archive of all past seminars with full videos
- Details of past Summer Workshops
- Contact info for CySER staff

# Research Experience

- <https://cyser.wsu.edu/summer-workshop/cyser-summer-workshop-2023-posters/>
- Undergrads assigned to graduate mentors
- Participate in real-world research related to cybersecurity
- Meant to give “exposure” not “mastery”
- Undergrads should gain familiarity with a research project and get hands-on experience
- Present outcomes (results, lessons learned) in a poster session at the CySER Summer Workshop 2024

# Internships

- Requirement of CySER Fundamentals and Basics certificates
- We ask all available participants to apply to MAVEN
- Seminar speakers from industry/government promote internships
- Many, many resources at WSU
- Can be done at any point during your undergraduate program

# Summer Workshop

- <https://cyser.wsu.edu/summer-workshop/>



# Coursework

- <https://cyser.wsu.edu/certificate-offerings/>
- Can be done at any point during your undergraduate program
- Consult with your advisor
- SME
  - Assefaw Gebremedhin, EECS
  - Paul Wilmoth, EECS
  - Tracey Spencer, Carson College of Business
  - Goretti Manzo, Carson College of Business

connected to address 112.33

username: \*\*\*\*\*

password:

Password12345:)

Access granted...

Wrap-up and Questions