Cyber Intern Programs

DEFEND TODAY,
SECURE TOMORROW

MARCH 2022

U.S. Department of Homeland Security
Cybersecurity and Infrastructure Security Agency

WE...
DEFEND. RESPOND. ENFORCE. PREVENT. PROTECT.

The Cybersecurity and Infrastructure Security Agency (CISA) leads the national effort to understand, manage, and reduce risk to our cyber and physical infrastructure. We connect our stakeholders in industry and government to each other and to resources, analyses, and tools to help them build their own cyber, communications, and physical security and resilience, in turn helping to ensure a secure and resilient infrastructure for the American people.

The threats we face digital and physical, man-made, technological and natural, are more complex and the threat actors more diverse, than at any point in our history. CISA is at the forefront of leading a collective defense as we understand and manage risk to our critical infrastructure.

IT TAKES A DIVERSE TEAM TO PROTECT A DIVERSE NATION.

At CISA, our employees are diverse and that diversity allows the agency to best respond to emerging threats and collaborate with those ready to cultivate a career in cybersecurity. The agency's dynamic innovation and adaptability are mission critical. Come aboard CISA and see that we are not your typical government agency- we are growing and currently recruiting students and recent graduates who are interested in the following cyber areas:

- Cyber Incident Response
- Digital Forensics and Forensics Analysis
- Policy and Governance
- Software Assurance
- Intelligence and Investigation
- Networks and Systems Engineering
- Cyber Risk and Strategic Analysis
- Vulnerability Detection and Assessment
- Threat Vulnerability Analysis and Research
- Cyber Education, Awareness and Outreach

A DAY IN THE LIFE OF A CISA CYBER INTERN

CISA's cyber interns will grow their skills and enhance their career potential as they are integrated into teams working closely with cyber professionals on mission-focused projects, while learning in a fast-paced, technology-evolving environment. As an intern you can look forward to a robust offering of activities and events such as exposure to cybersecurity activities outside your immediate assignments, hearing program officials discuss major CISA and DHS initiatives to keep our Nation's systems secure, and meeting intern alumni who are now employees. You'll also have the opportunity to tour our labs and watch floor, participate in informal brown bags with senior management, and attend exciting local conferences and forums to hear from experts and newsmakers in other executive agencies, Congress, industry, academia, and think tanks.

At CISA, you will be working at the forefront of the cybersecurity challenges facing our Nation and you will have access to the most cutting-edge technology

OUR CYBER INTERNS HAVE WORKED ON EXCITING PROJECTS SUCH AS:

- Designed new RemoteOps kits for remote IR deployments.
- Worked on detecting vulnerabilities in PLC devices.
- Developed a Python script to help analyze logs, which can then be fed into the script to identify deny listed IP addresses and generate reporting.
- Leveraged Azure DevOps Server pipelines to ease penetration tester evaluations.
- Imported PowerShell queries into a .net framework to use in Cobalt Strike where queries can be used to determine whether DCSynch can be executed.
- Provided critical asset management to deployed IR and Hunt teams.
- Worked on developing a proof-of-concept lab exercise for responders which allows a malicious actor to steal hashed logins from a deprecated DNS Protocol.
- Supported development of cyber risk summaries across the education, energy and SLTT sectors.
- Updated CISA's Industrial Control Systems Training to elevate the capabilities of the national workforce.

SELECTED EVENTS FOR CYBER INTERNS

Event	What you'll see/hear/learn
CISA Cyber Assessments	> Vulnerability Scanning > Penetration Testing > Implementation of mitigations and controls to reduce risk
CISA Cyber QSMO Overview	> Advancing Cyber QSMO Maturity > What is QSMO's operating Model > How does QSMO deliver quality shared services
High Value Asset (HVA) Discussion	How CISA minimizes risk to the Federal Civilian Enterprise through: > Risk Administration > Guidance & Directives > Vulnerability Management
National Cybersecurity Protection System (NCPS) Overview	Integrated "system of systems" that operates across the dot-gov networks to: > Detect and prevent intrusions > Support analytics and information sharing

JOIN OUR TEAM

There are many paths for students and recent graduates to pursue an opportunity with CISA, and to help protect the homeland from cyber threats. An internship with CISA will provide you with hands-on opportunities to challenge and build your technical skills. As a federal intern, you will join a team of public servants who use their cybersecurity acumen every day to adapt and develop innovative ways to protect and enhance the resilience of the Nation's physical and cyber infrastructure.

- **Pathways Interns & Recent Graduates**
  Paid opportunities for enrolled (high school to graduate level) and recently graduated students to work at CISA to enhance their skills and career potential. Opportunities are posted on **USAJOBS.gov**; keyword search for "Cybersecurity and Infrastructure Security Agency."

- **Presidential Management Fellows (PMF)**
  The Federal Government's premier leadership development program for advanced degree candidates. Applications are accepted once per year. Program eligibility and application information is available at **www.pmf.gov.**

- **CyberCorps® Scholarship for Service (SFS)**
  Provides scholarships to students in cyber-related degree programs in exchange for a commitment to employment with government organizations. More information is available at **www.sfs.opm.gov.**

- **Cyber Talent Initiative (CTI)**
  The first of its kind public-private partnership aimed at recruiting and training a world-class cybersecurity workforce. The program is a selective opportunity for recent graduates of cybersecurity-related fields to gain vital public and private-sector work experience. Program eligibility and application information is available at **https://cybertalentinitiative.org.**

MISSION

We lead the National effort to understand, manage, and reduce risk to our cyber and physical infrastructure.

VISION

A secure and resilient critical infrastructure for the American people.

PERKS

Note: Some benefits are not available for time-limited, summer, or volunteer interns.

- Exciting, challenging, and innovative work that includes goal-oriented projects, networking opportunities, recognition, and teamwork and camaraderie.

- Working collaboratively with private industry, law enforcement, and top-tier researchers.

- Flexible work schedules, situational telework, and casual work environments.

- Competitive salaries that include annual leave, sick leave, and paid federal holidays.

- Comprehensive benefits options, including medical, dental, vision, life and long-term care insurance, flexible spending accounts (FSA), and the Thrift Savings Plan (TSP).

- Access to an Employee Assistance Plan (EAP). Paid parental leave plus programs and resources for parents.

- Educational and development opportunities such as access to the FedVTE training portal, mentoring programs, leadership programs, and higher education fairs.

- Commuter transit monthly subsidy.

- Federal employees may qualify for a cybersecurity skill incentive program that pays employees for relevant, approved cyber security certifications and covers the cost of the certification exams.

- Up to three hours of paid leave per week, to engage in health and wellness activities.

JOIN OUR TEAM, AND GROW YOUR CAREER WITH CISA

- Please send questions to: StudentCareers@cisa.dhs.gov
- Learn More: Visit www.cisa.gov/careers
- Follow Us: 🐦 @CISAgov ▶️ @CISA 📷 @CISAgov 💼 @CISAgov f @CISA

Our Core Values represent the fundamental tenants of our organization that guide all of our actions: Collaboration, Innovation, Service, Accountability. Learn more

Equal Employment Opportunity (EEO)
CISA is an equal opportunity employer. Please visit www.dhs.gov/eeo for information about EEO as a fundamental right of all employees and applicants for employment. U.S. Citizenship is required.