10 COOLEST JOBS IN CYBERSECURITY

WHY THEY MAKE A DIFFERENCE AND HOW TO QUALIFY FOR THEM

Initial Jobs With Lots of Advancement Opportunities

1 DIGITAL FORENSIC ANALYST; INVESTIGATOR

"The thrill of the hunt! It's CSI for cyber geeks! You never encounter the same crime twice."

You are the detective in the world of cybersecurity – searching computers and networks for evidence in the wake of an incident.

2 PENETRATION TESTER FOR SYSTEMS AND NETWORKS

"Be a hacker, but do it legally and get paid a lot of money!"

You look for security vulnerabilities in target systems and networks to help enterprises improve their security.

3 APPLICATION PEN TESTER

"We desperately need more of this, application security has been such a black hole for so long."

You're a programming/security wizard - testing applications before deployment so they don't present opportunities for intruders.

4 SECURITY OPERATIONS CENTER (SOC) ANALYST

"The fire ranger. Better catch the initial blaze, or there goes the forest."

With an eye for detail and anomalies, you see things most others miss. You implement active prevention, active detection, active monitoring, active response.

5 CYBER DEFENDER; SECURITY ENGINEER (ENTERPRISE AND ICS)

"A leg up on your IT and engineering buddies; talk shop with them but you are saving the world from the bad guys, too."

You implement and tune firewalls, IPS/IDS, patching, admin rights, monitoring, application white listing, more.

More Advanced Jobs – Open After A Few Years of Great Performance and Specialized Training

6 HUNTER; INCIDENT RESPONDER

"The secret agent of geekdom. You walk in and say 'OK I'll take it from here.'"

While everyone else is running around shouting, "The system's dead!," you have the sense and skills to rationally figure out why.

7 SECURITY ARCHITECT

"You get to design the solution, and not just for the perimeter."

You are creative and on top of the game both technically and in business; You design and build defensible systems and are part of an adept team.

8 SECURE SOFTWARE DEVELOPMENT MANAGER

"Coolest software developers"

You protect the development team from making errors that will allow hackers to penetrate your organization and steal data. You are a programmer, but a programmer with special powers.

9 MALWARE ANALYST / REVERSE ENGINEER

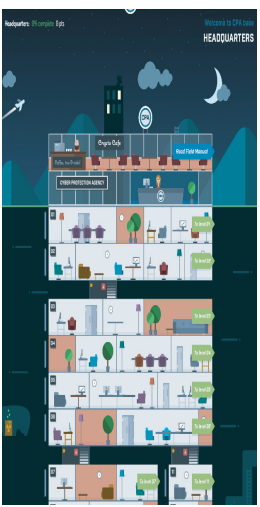"The technical elite! Only go here if you have been called. You know who you are."

You look deep inside malicious software to understand the nature of the threat – how it got in, what flaw it exploited, and what it is trying to do or has done.

10 TECHNICAL DIRECTOR /CISO

"Making decisions; making things happen. That's coolness."

You are at the top of the tech ladder. A strategic thinker, you`re hands on the design and deployment of solutions. You hold the keys to tech infrastructure.

CYBER FAST TRACK

1

"I loved CyberStart challenges - the coolest game I ever played."

"Taught me a lot; proved cybersecurity wasn't too hard to learn."

"The most fun I have had learning."

DISCOVER IF YOU HAVE THE APTITUDE
CYBERSTART: THE GAME

- No need for cyber or IT experience
- More than **250 fun challenges** protecting "real-world" bases
- **Available completely online** Everything you need is in the online Field Manual and hints.
- 19 U.S. Governors launched statewide programs for their students.

LEARN MORE AT CYBERSTART.US

2

CATAGORY/TOPIC	MODULES
Computer Hardware /Data	6
Linux and Windows	7
Networking	6
Programming	6
Common Attacks & Security	10
Others (Kali, Google, etc)	11

MASTER THE FOUNDATIONS
CYBERSTART: ESSENTIALS

- Core technologies: How they work and are attacked
- Online, hands-on immersion training, in **46 modules**
- Progress at your own pace. Quizzes and tests on each module
- **National exam** to reach silver or gold levels

"We now hire cybersecurity grads only if they have hands-on mastery of these foundations" (CISO, multi $billion Silicon Valley tech leader)

3 **EMPLOYER INTERVIEWS BEFORE ACCEPTANCE**

GET SKILLS EMPLOYERS NEED AND A COOL JOB!

- Veterans' Academies, Women's Academies, and Open Academies
- Three SANS immersion courses and three high value GIAC certifications
- **%90 job placement** in 6 months
- Also available as Certificate in Applied Cyber Security (ACS) at SANS.edu and other accredited colleges and universities

LEARN MORE AT USCYBERACADEMY.SANS.ORG

"Completing the SANS VetSuccess Academy not only influenced my career plans, it defined them - opening doors that were inaccessible to me otherwise. In fact, being selected into the VetSuccess program was a "hitting the jackpot" moment for me."

Ed Russell, USAF (ret) NTT Security

UNITED STATES CYBER ACADEMY

More information: CyberStart.US