



A Career in Cybersecurity Cybersecurity Webinar Series

Speaker: Lonnie Harris Hostess: Kara Sullivan Cisco Networking Academy 18 October 2018

Welcome to the 3rd session of the Cybersecurity webinar series

- Use the Q and A panel to ask questions.
- Use the Chat panel to communicate with attendees and panelists.
- A link to a recording of the session will be sent to all registered attendees.
- Please take the feedback survey at the end of the webinar.

Cybersecurity Webinar Series

• Session 1: Cybersecurity Basics, Recording available

 Session 2: Security Threats & Breaches, Recording available

• Session 3: A Career in Cybersecurity, Today!

Access Series @ http://bit.ly/cybersecseries

A Career in Cybersecurity

Lonnie Harris – Cybersecurity Architect 2018

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THE EVOLUTION OF COMMUNICATION - INTERNET

- Age of digital communication via computers
- Mosaic was the first browser for sound, video, forms, and history files
- Birth of world wide web (WWW)
- Email services GMAIL, Hotmail, Yahoo
- The Internet of Things

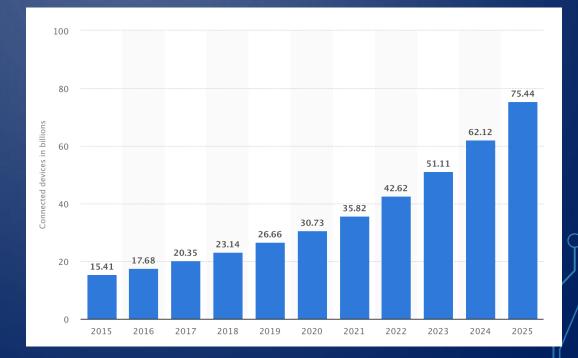




THE EVOLUTION OF COMMUNICATION - (INTERNET OF THINGS IOT)

 Statistics shows the number of connected devices (IoT) worldwide from 2015 to 2025

 For 2020, the installed base of Internet of Things devices is forecasted to grow to almost 31 BILLION worldwide



CYBERSECURITY JOB REPORTS

 Every IT position is also a cybersecurity position now; having to be involved with protecting and defending apps, data, devices, infrastructure, and people. The cybersecurity workforce shortage is even worse than what the jobs numbers suggest.





Enterprises are under siege from a rising volume of cyberattacks.

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Russians Attack 2018 U.S. Elections Via Facebook, Social Media

DAVID PIERSON, LOS ANGELES TIMES - MCCLATCHY ON AUG 1, 2018



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• Major life-threatening cyber attack on UK 'in little doubt' in near future, warns security chief

The National Cyber Security Centre warns that a life-threatening incident will almost inevitably strike the UK.

00:14, UK, Tuesday 16 October 2018



We'd be crippled by a cyberattack on our utilities

Washington Post

1 day ago



ONWASA victim of cyber attack; utility refuses to pay ransom

WITN

11 hours ago



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EXERCISE

- Open a web browser and navigate to the Shodan <u>website</u> at https://www.shodan.io/.
- After successfully logging in, you will see your account page, as shown below. Click the **Shodan** link to return to the homepage.
- top web cameras used for home security
- Nest Cam Indoor Network Camera 3 MP 1080p Day/Night 3 Pack rated 4.5 out of 5 stars ,922 reviews
- Type NEST as the keyword and press Enter. How many results did you get for your search
- Attackers looks for unsupported operating system, known vulnerabilities or published attacks
- Use an Internet search to discover the well-known 2017 cyberattack that targeted older Windows operating systems

CHOOSING THE RIGHT SIDE

cy·ber·at·tack /ˈsībərəˌtak/ •)

noun noun: cyber-attack

an attempt by hackers to damage or destroy a computer network or system.

eth·i·cal hack·er

noun

noun: ethical hacker; plural noun: ethical hackers

a person who hacks into a computer network in order to test or evaluate its security, rather than with malicious or criminal intent.

"ethical hackers are becoming a mainstay of the effort to make corporate networks more secure"

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Job Title	Skills
Network Engineer	Network Admin., Troubleshooting, TCP/IP, Software Installation, Active Directory
• Systems Engineer	Servers, Storage, Data Center, Cloud Computing, Networking
Software Developer	 Programming ,JavaScript, Python, Databases, Data Analytics
Business Analyst	 Business Analysis, Microsoft office, Project Management, Process Management, Requirements Analysis
• Data Analysts	 Data Analysis, Customer Support, Organization skills, Microsoft Office, Problem Solving
• Software/System QA	 Software Development, Test Suites, Troubleshooting, Requirements Analysts, Web Design
Systems/Network Administrator	Network Operations, DevOps, Troubleshooting, Integration, Customer Services
Technical Support	 Troubleshooting, Customer Service, Microsoft Office, Windows, hardware/Software
Security Engineer	Network Security, Linux, Vulnerability Assessment, Firewalls, Intrusion Detection

RESOURCES TO GET STARTED

- Cyber Seek is helping to close the cybersecurity skills gap by creating interactive career pathway <u>https://www.cyberseek.org</u>
- Cisco Networking Academy <u>https://www.netacad.com</u>
- 1000+ cybersecurity analysts jobs in North Carolina 10/16/2018

indeed		What Where Job title, keywords, or company City, state, or zip code				
		Cyber Security Analyst Q	North Carolina	0	Find jobs	Advanc
Cyber Security Analyst jobs in No	orth Carolina	Upload your resume - Let employers Pag find you	ge 1 of 395 jobs	Be the first to see new Cyb	er Security Analyst	iobs
My recent searches Vulnerability Assessment Analyst 1,070 new SAS Programmer - Raleigh, NC 26 new • clear searches Sort by: relevance - date		Show: all jobs - 180 new jobs		in North Carolina		
		Cyber Security Analyst - new My email: NetApp ****** 612 reviews Durham, NC 27703 Information Security Analyst:. Competent at intermediate change conflugations in more than one security technologies. Knowledge and operational experience Sponsored save job Activate			t for	
Salary Estimate \$75,000	(316)	Cyber Security Analyst - new CyberCoders **** 34 reviews				
\$80,000 \$90.000	(281)	Durham, NC 27701		IT Security Specialist salari	es in North Carolina	
\$95,000	(153)	\$75,000 - \$85,000 a year Cyber Security Analyst. If you are a Cyber Security Anal	vst	The occurry opecialist salar	co in North Odrollina	
\$110,000	(69)	with experience, please read on! So, if you are a Cyber Security Analyst with experience, please		\$96,598 per year		
Job Type		Sponsored 2 hours ago save job		based on 130 salaries		
Full-time	(364)	Cyber Threat Analyst - new				
Contract	(27)	Eliassen Group				
Part-time	(6)	Morrisville, NC		Min		Max
Commission	(2)	Cyber Threat Analyst, Cyber Security, Information Assur		\$24,000	\$21	8,000



ARE YOU READY

•Is there strong demand for cybersecurity jobs in my region? \checkmark

•Do I know of cybersecurity educational and training resources? 🔗

•I do not need to have a IT background. \checkmark

•Is there a future in the cybersecurity beyond tomorrow?

•Do I have a desire to protect the services and societal growth provided by the Internet? 父

WANTED AND URGENTLY NEEDED: CYBERSECURITY PROS TO SERVE THEIR COUNTRY

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Qualifications for Certificate of Participation



Must Participate in all 3 sessions of the Cybersecurity webinar series – whether through recordings or live sessions



Opportunity to earn a certificate will stay open for one month – until 18 November



Request certificate @

http://netacad.cvent.com/CertificateRequestForm



Intro to Cybersecurity Self-Enroll Course

Introduction to Cybersecurity

Learn how to protect yourself online and in social media while discovering careers in cybersecurity.



Enroll Now

You can enroll today to learn more @ http://bit.ly/introsecurity