

BACK TO THE FUTURE CYBER

Presented by Matt Heff

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Sands Global Cyber Security Team

A LITTLE BIT
ABOUT
me...

1. Born at a very young age.
2. Analogue at birth. Digital by design
3. From East Coast, Philly, NEPA home
4. Caffeine dependent life-form
5. ***Fighting cyber criminals since '98***
6. 1st security breach exposed to was 6 months into TJ Maxx role.
7. **True Passion:** Serving as Southern NV Cybersecurity Alliance “**Director of Cyber Youth Outreach**” *almost every* lunch break meeting High/Middle School/University Administrators to build cyber curriculum, cyber ranges, student run SOCs, & CyberPat & cyber competition teams
8. Wife, Karen, Daughter Klary, age 2, Ryker 6 months.

www.snca.us

Congratulations on *21+ years!*

At times, does it feel
like we discuss the
same things *year
after year*, with just
a different spin?



STAR

"Star Wars is essentially a movie
about data breach response
— one that failed rather miserably."

WARS

CASE STUDY: CORGI

“Same things year after year, with a different spin”



GERMAN CORGI



**HUSKY
CORGI**



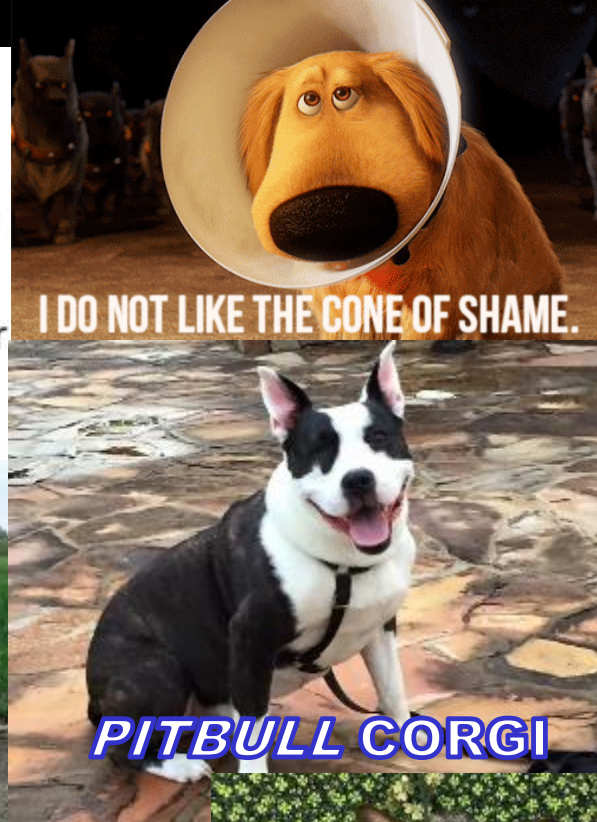
**DASH
CORGI**



STORMY CORGI

 **Paul Haine**
@paul_haine

Fascinated at how crossing a Corgi with any other dog breed results in what is basically a Corgi in disguise as the other breed.



PITBULL CORGI



I DO NOT LIKE THE CONE OF SHAME.



**MAXIMUM
OVERLOOF CORGI**



**YORKSHIRE
TERRIER CORGI**

BACK TO THE FUTURE CYBER

MORE COMPLEXITY, LAYERS, FRAMEWORKS, STANDARDS, CURRICULUM, CERTIFICATIONS THAN EVER BEFORE

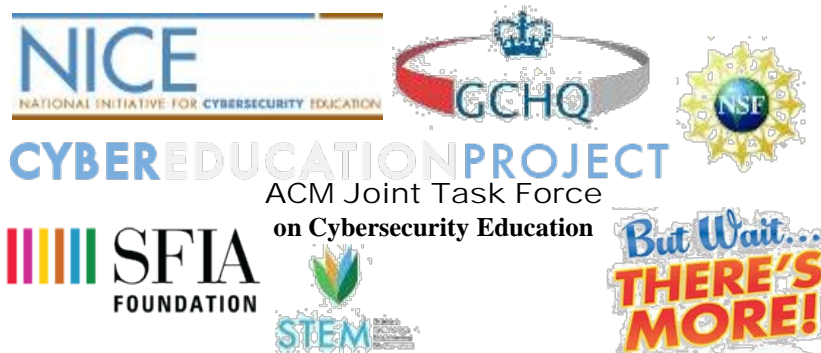
COMPLEX WORLD OF *GOVERNANCE* ACROSS THE ENTIRE PLANET



COMPLEX WORLD OF EDUCATION *CURRICULUM & CERTS*



COMPLEX WORLD OF *EDUCATION FRAMEWORKS*



COMPLEX WORLD OF CAREER PATHS, CYBER COMPETITIONS & EXPERIENTIAL LAYER ACTIVITIES



BACK TO THE FUTURE
CYBER

COMPLEX WORLD OF MEMBERSHIPS THAN EVER BEFORE



WHERE IT LEADERS CONNECT



AFCEA Bringing Government and Industry Together Since 1946



But Wait...
THERE'S MORE!



***CYBER CRIMINALS & NATION STATES
DO NOT FOLLOW OR CARE ABOUT
STANDARDS, FRAMEWORKS, YOUR
CURRICULUM, CERTIFICATIONS, OR
YOUR MEMBERSHIP IN***



COMPLEX GOVERNANCE NATIONS DECLARING “*Cyber Sovereignty*”



Two Take - Aways (paraphrasing)

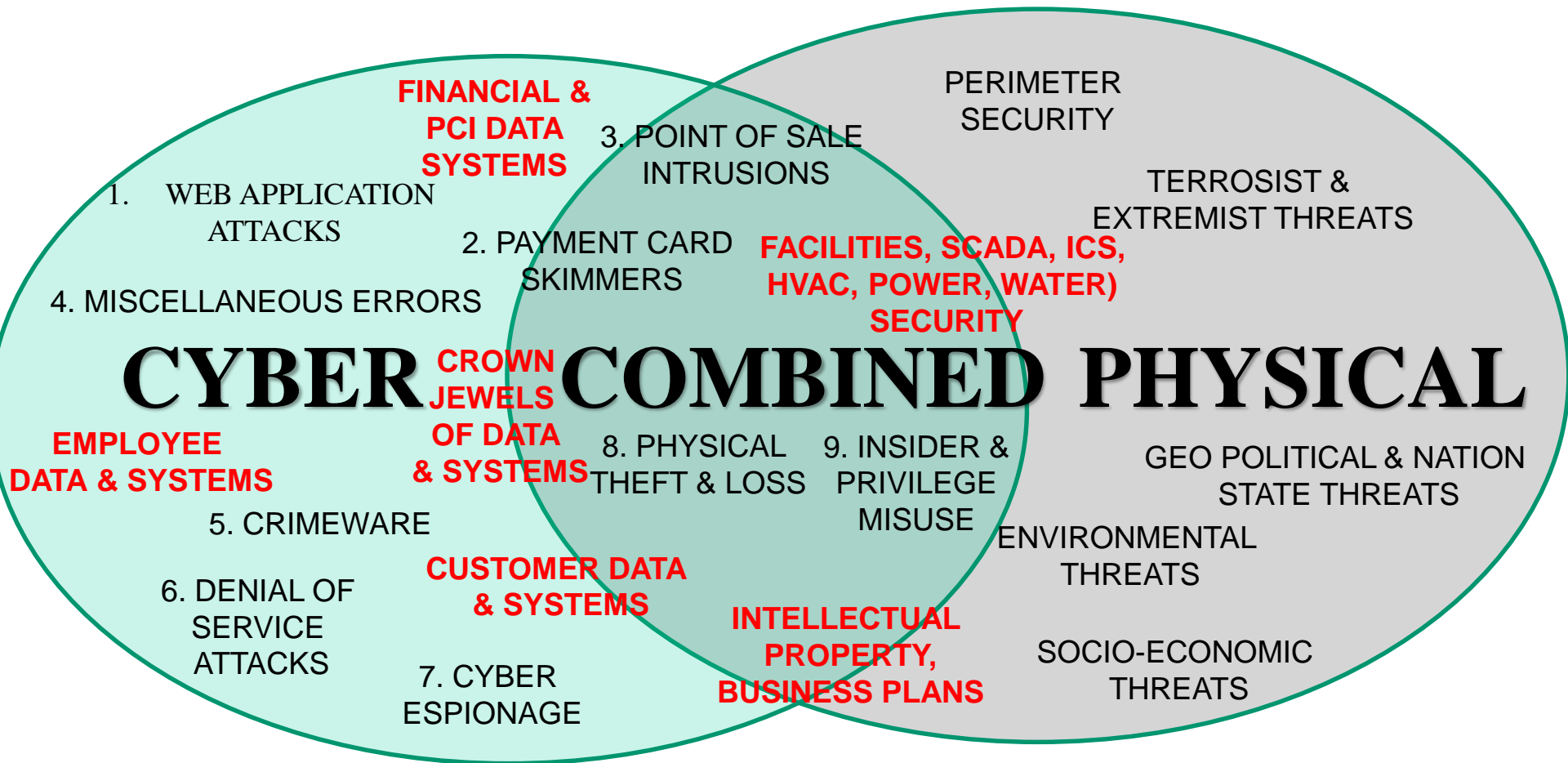
1. China is mandating that electronic hardware & software purchases for use in China must be from Chinese companies
2. All data must not leave China (*Cloud solutions may no longer be allowed*).



Who is *Scarier*?

- a) Cyber Criminals / Nation States
- b) Security Auditors
- c) Nations Declaring Cyber Sovereignty
- d) Cybersecurity vendors

96% of all cyber attacks follow 9 basic attack patterns



SAME SAME

BUT DIFFERENT

FIREWALLS

1 WAY ATTACKS

IDS / IPS

FRAGROUTER

ANTIVIRUS

OBFUSICATION

WAP

CHARACTER ENCODING

DLP - EPS

DNS EXFIL

DEP - ASLR

ROP INFO LEAK

SANDBOX

JAILBREAK

NO

SKATEBOARDING
BICYCLE RIDING
ROLLERBLADING
ROLLER SKATING
SCOOTER RIDING





*ATTACKS SUCCEED BECAUSE
CYBER DEFENSES ARE
REACTIVE VS. PROACTIVE*

*MOST CURRENT DEFENSES DO
NOT MATCH ATTACKER TACTICS*



MALWARE IS COMING



Cybersecurity ***Contextual* Landscape**

Chain reactions are driving cybersecurity

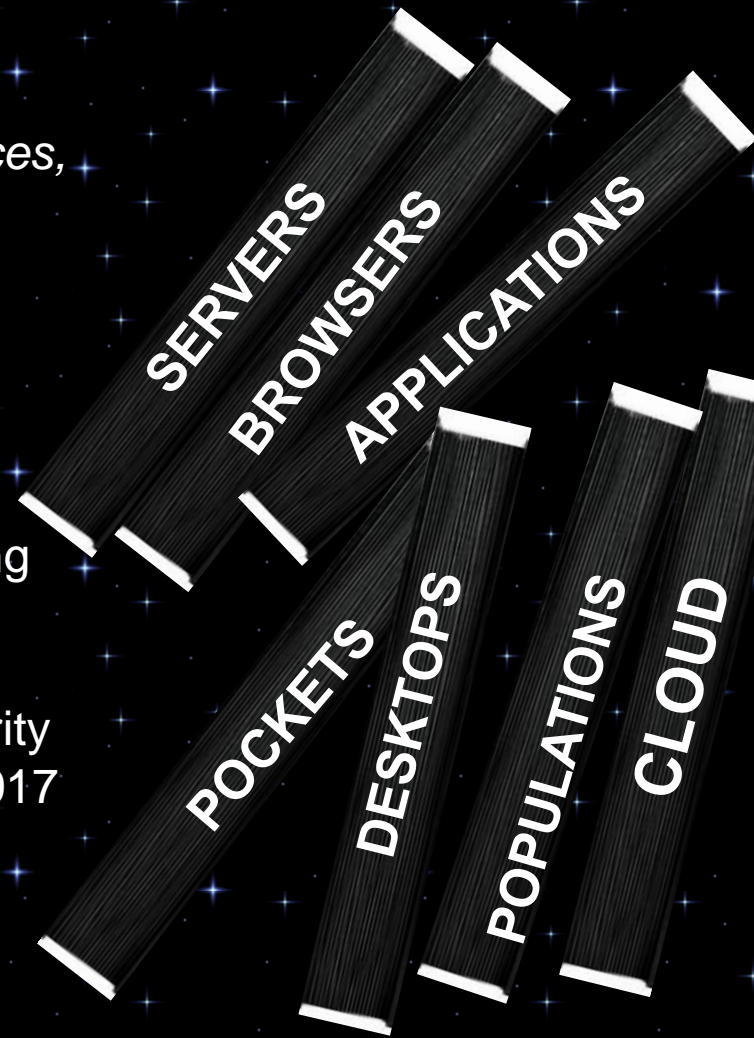


- Attackers are collaborating, evolving, adapting, & accelerating
- Attackers are motivated, resilient, creative which drives great adaptability
- Acceleration is their methods, tools, & targets (technology, people & processes)

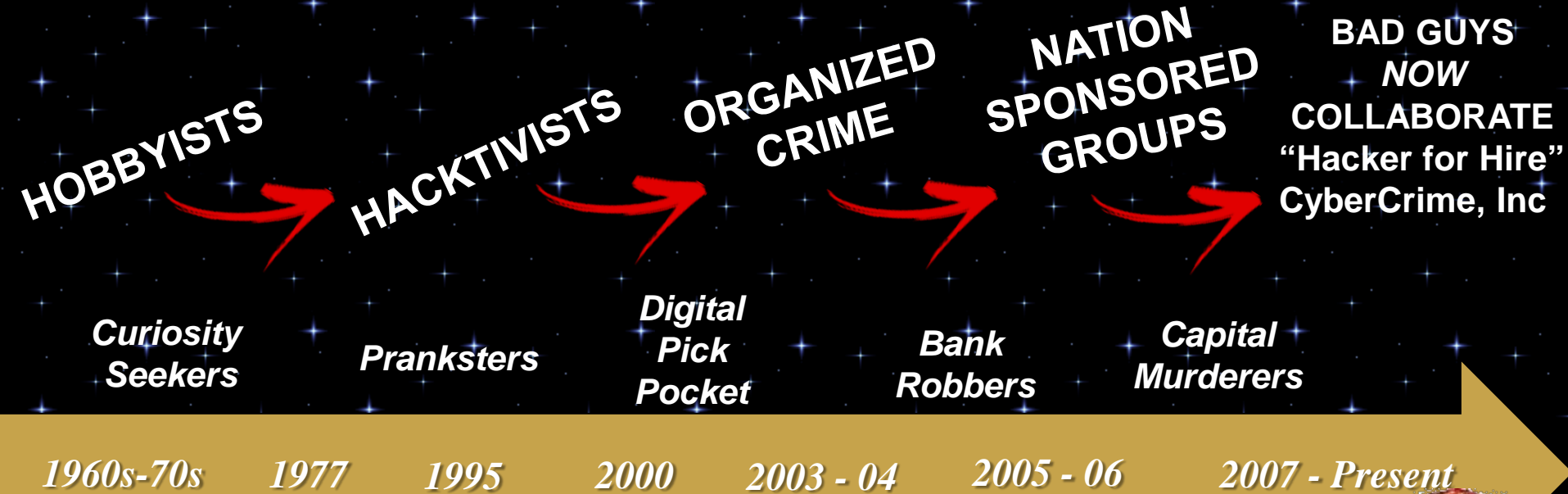
Cybersecurity *Contextual* Landscape

TARGETS KEEP EVOLVING

- ❑ Threats & targets are no longer limited by geography
- ❑ New data breach targets are emerging (*IoT devices, Smart Grid meters, medication dispensers, IP connected contact lenses, even rice cookers*)
- ❑ Attackers are driving down the technology stack (data, apps, VM, OS, VMM, FW, HW)
- ❑ Research flowing quicker into new areas of technology & proactive threat intelligence
- ❑ Ransomware & 'CEO Phishing Emails' fraud rising fast
- ❑ Integrity attacks are growing
- ❑ Convergence of Physical Security & Cyber Security
- ❑ McAfee predicting first '**Billion Dollar Heist** in 2017 - 2018

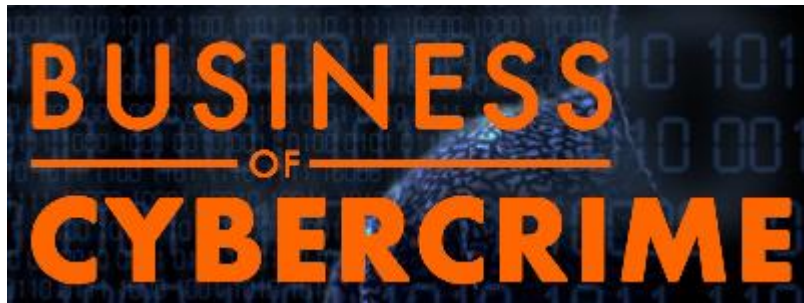


Cybersecurity *Contextual* Landscape



PHONE PHREAKING / BLUE BOXES
VIRUSES BEGIN APPEARING
MALICIOUS CODE APPEARING WEBSITES HACKING
ADVANCED WORM / TROJANS
IDENTITY THEFT TAKES OFF (Phishing)
RISE OF DOS / DDOS ATTACKS
ORGANIZED CRIME ATTACKS
EXTINCTION LEVEL ATTACK





- **Cybercrime is now a business model**
- Cyber Criminals are collaborating faster, sharing code, bragging & helping each other with exploits
- **Fastest growing darknet markets are ‘hacker for hire’ services selling access to**
- Exploit kits for sale: *Asymmetry of Attack*, \$50k Exploit Kit to steal \$50mill (Target).
- **Botnets available for rental here**
- POS malware development kits for sale
- **Merchant remote access for sale**
- Money back guarantees! Act Now! Supplies limited!
- **0 Day Vulnerabilities Auction**
- On the spot data validation now available

Source: Krebs on Security, Visa Threat Intel

Industry Watch

Identity is the new security perimeter



Threat intelligence



Rise of information protection



Cloud services vs. on-premises



Securing the perimeter is not enough. More Cyber Resilience. **English Castle System.** Defense in Depth. Spreading cyber insurance across multiple carriers



Era of 'Assume Compromise' Ruin Attacker ROI, Deter opportunistic attack. **Data Classification** Protect the data. **Make it difficult for attacker to monetize the data.** Raise their cost to attack by prioritizing defenses

Cyber Sovereignty

WORLD INTERNET CONFERENCE
世界互联网大会
高峰论坛 · Wuzhen Summit
AN INTERCONNECTED WORLD SHARED AND COVERED BY ALL
BUILDING A COMMUNITY OF COMMON FUTURE IN CYBERSPACE
互联互通 · 共享共治
构建网络空间命运共同体

Information Protection Challenges

- Limited visibility & control of sensitive data
- Data classification **HUGE & DIFFICULT** project

In the ‘Era of Assume Compromise’

Using the “**Kill Chain**” to Educate Board of Directors

Increasing risk & cost to contain & remediate

Pre-compromise

Compromise

Post-compromise

Reconnaissance

Weaponization

Delivery

Exploitation

Installation

Command & Control

Actions on Intent

> Attacker research

> Create malware

> Phish or similar attack

> Malware exploits vulnerabilities

> Operations of malware

> Attacker control of system

> Lateral movement and exfiltration of data



**STOP
DATA**

EXFILTRATION?

**HOW GOOD ARE WE AT
STOPPING INGRESS?**

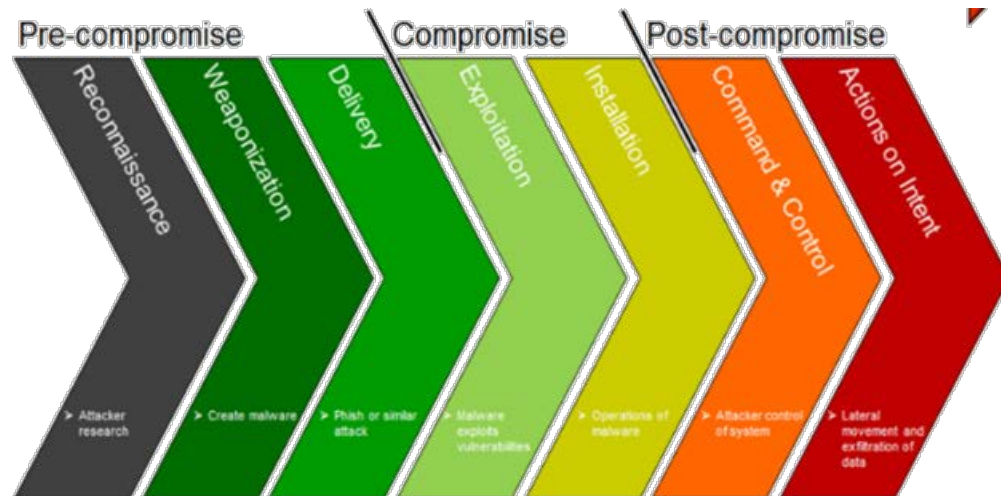
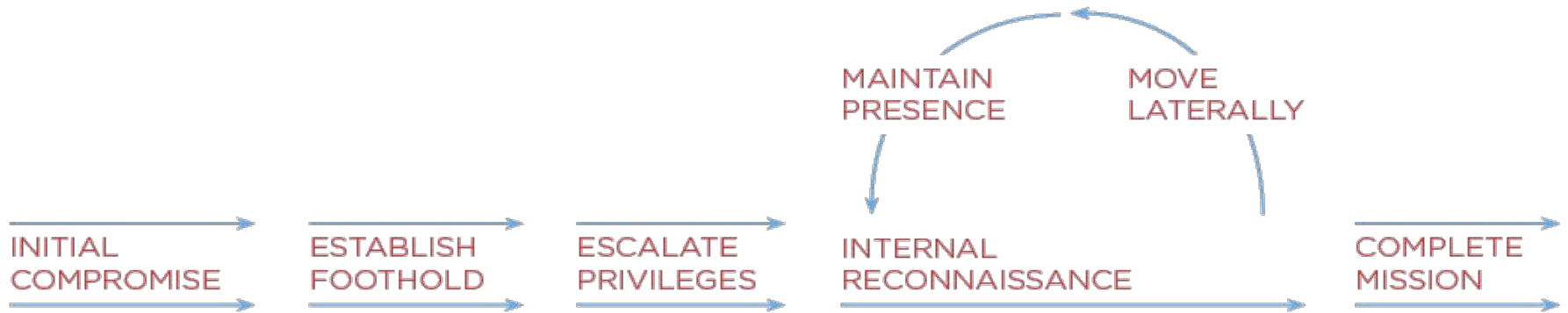
**PREVENT LATERAL
MOVEMENT?**

IF WE ASSUME COMPROMISE:

AVG. CYBER CRIMINAL SITS ON A SYSTEM

FOR 260+ DAYS!

FireEye 7-Phase Model: USING THE KILL CHAIN TO EDUCATE MAPPED TO FIN7 ATTACK



THREAT INTELLIGENCE CHANGES:

- ✓ MANY DROWING IN INFORMATION OVERLOAD
- ✓ **PROCESSES MOVING AWAY FROM PAPER ONLY EXISTENCE**
- ✓ NO LONGER SLOW TO NO REACTION
- ✓ FASTER IR RESPONSE TIMES
- ✓ **THREAT INTELLIGENCE GAINING MORE FORETHOUGHT & FOCUS**
- ✓ MOVING AWAY FROM FALSE SENSE OF SECURITY
- ✓ **IR PLACED INTO POSITIONS TO IDENTIFY BREACHES BEFORE THEY OCCUR**
- ✓ MORE PRACTICING IR WITH CYBER RANGES, TTPs, JOINT TABLE TOP EXERCISES, AND PRACTICING WITH IR PLAYBOOKS
- ✓ **IR ADAPTING DEFENSES, RESPONSES OVER TIME AND COMMUNICATING THREAT INTEL FOR RELEVANCY**



Intelligence-driven cybersecurity

I FIND YOUR LACK OF CYBER SECURITY



THREAT INTELLIGENCE IS EVOLVING



- **Operational Readiness + Higher Fidelity Intel = Risk Reduction**
- Reduce detection time by incorporating IOCs into breach detection
- Utilize improved log aggregation, data science
- Automating & operationalizing cyber intel
- Streamline incident mgt, more table top exercises, & improve IR playbooks
- Developing a proactive cyber defense vs. reactive

FOR YOUR CONSIDERATION:

DEVELOPING

COMBAT READY

STUDENTS

I SEE CYBER RISKS



EVERYWHERE

PARADIGM
SHIFT

FOR YOUR CONSIDERATION:
Becoming COMBAT READY

HIGH FIDELITY

LEARNING RESPONSIBILITY
FALLS ON STUDENT

ADDS AMBIGUITY

PRESSURE

CAN ADD MORE CHAOS

**ADDS NEW
UNSEEN INJECTS**

TEAM BASED

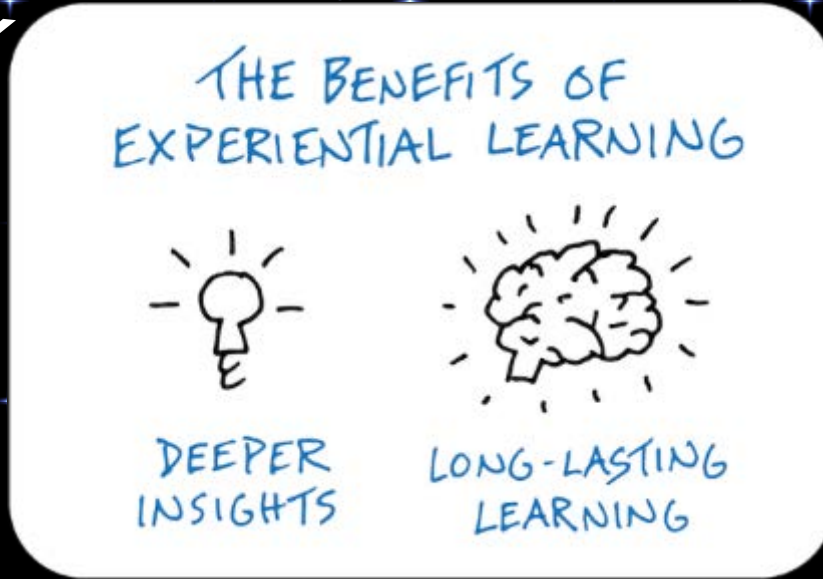
CROSS-FUNCTIONAL

REFLECTION

TEAM BASED

IMMERSIVE

**INTEGRATES
INTO
OPERATIONS**



BATTLE READY



DIMENSION

TRADITIONAL

EXPERIENTIAL

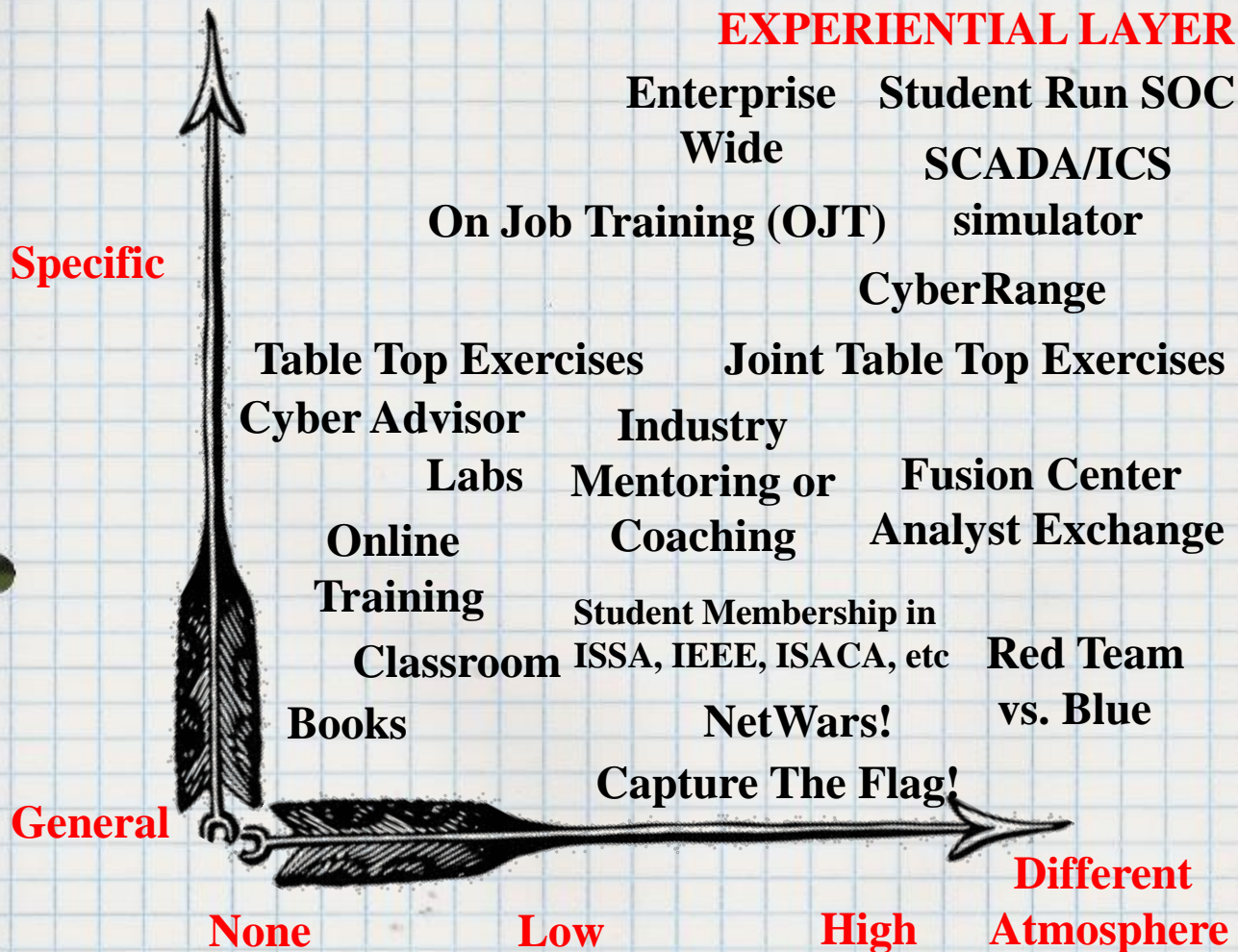
FACULTY	INDIVIDUAL BASED	TEAM BASED
PERSPECTIVE	FUNCTIONAL	INTERDISCIPLINARY
PROBLEM	SIMPLISTIC	MESSY / CHAOTIC / INJECTS
DURATION	MINUTES, HOURS	DAYS, WEEKS, MONTHS
SOLUTION	CONCEPTUAL	DETAILED / INDUSTRY SPECIFIC
STUDENT	MOSTLY INDIVIDUAL & TEAM BASED	TEAM BASED IN PARTNERSHIP W/INDUSTRY
LEARNING LOCATION	SAME TIME SAME PLACE	ON LOCATION ON/OFF CAMPUS
RESPONSIBILITY FOR LEARNING	TEACHER IS TRAINER	STUDENT IS LEARNER TEACHER IS COACH INDUSTRY IS MENTOR

PARADIGM
SHIFT

Source: Thirty Years of Experiential Learning, FireEye

COMBAT READY

RELEVANCY



INTERACTION WITH INDUSTRY

Source:
FireEye
Blackhat

FOR YOUR CONSIDERATION: ACTIONABLE STEPS

Participate / invite students, industry & law enforcement to joint table top incident response cyber exercises

Invite industry to help build/finance your Student Run SOC

Invite industry to help build/finance your cyber range

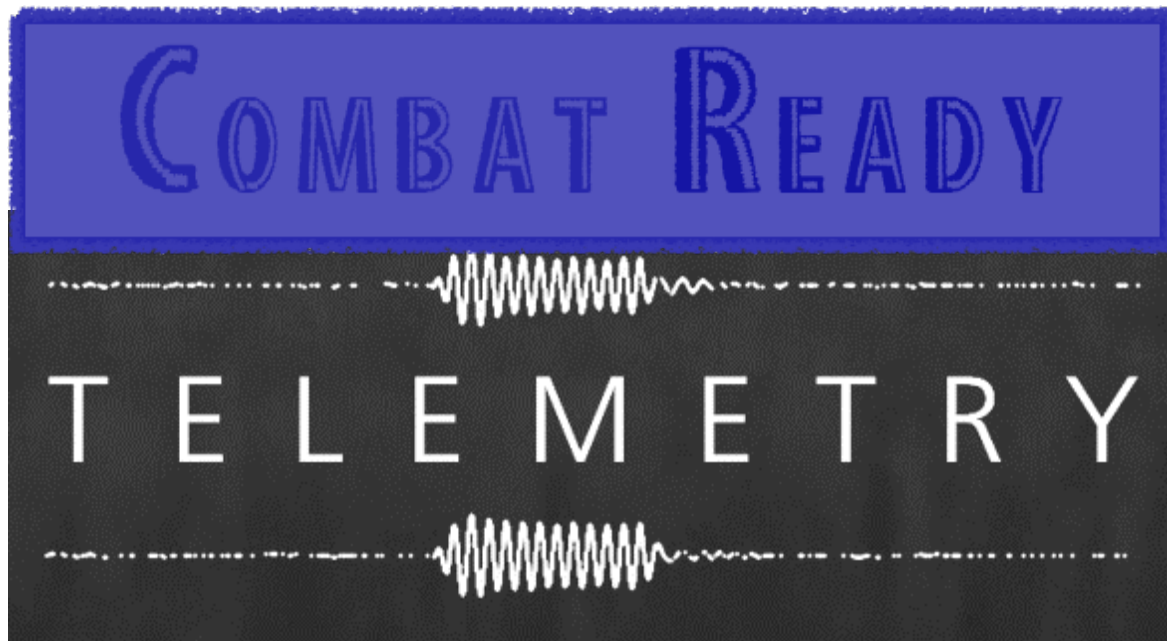
Coordinate local ISSA, ISC2, ACM, INFRAGARD, ISACA, IEEE, OTHERS to build community run cyber ranges (ages 8-80 can learn)

Share sanitized cyber range content, providing exercises for that 'experiential layer' experiences & debriefs

Inviting Students on Cyber Projects



PARADIGM
SHIFT



Develop Exercise Telemetry (*decision making block diagrams*) & debriefs for all cyber range activities. Sharing sanitized content with industry

FOR YOUR CONSIDERATION:
INVITE INDUSTRY TO HELP BUILD/FINANCE YOUR
SCADA/ICS SIMULATOR *OR ASK TO USE THEIRS*



PARADIGM
SHIFT

FOR YOUR CONSIDERATION:

Reach out to your local
Fusion Center or Law Enforcement partner.

Build a Fusion Center
Exchange Program for students

Jointly develop their
local cyber capabilities:
County / Regional Run SOC
Social Media Monitoring Conducting joint IR exercise



PARADIGM
SHIFT

FOR YOUR CONSIDERATION:
STUDENTS NEED TO SCRUB THEIR DIGITAL & SOCIAL MEDIA FOOTPRINT

A screenshot of a Facebook post. At the top left is a profile picture placeholder. To its right is the name 'Dan B.' in bold blue text. Below the name is the text: 'This cyber security internship is AWESOME! We just had a MAJOR security breach. LOLOL. Posting some pics tonight.' Underneath is the text 'Like · Comment · 9 minutes ago ·' with a globe icon. Below that is a blue thumbs-up icon followed by '136 people like this.' At the bottom is a comment box with a profile picture placeholder and the text 'Write a comment ...'.

YOUR DIGITAL FOOTPRINT



Open Source Discovery: Network Specifics

The LinkedIn excerpt below illustrates the impact a single employee can have in compromising enterprise-level cyber security.

Senior Cyber Security Analyst
Corp.
January 2014 – Present (2 years 3 months) | Las Vegas, Nevada Area

Set up and maintain an array of security tools critical to the successful monitoring of the security of a major corporate network, including _____ and _____ and _____ vulnerability scanner. Perform site surveys to identify assets in remote networks. Prepare and edit documentation on SOC policies and procedures.

COMBAT READY

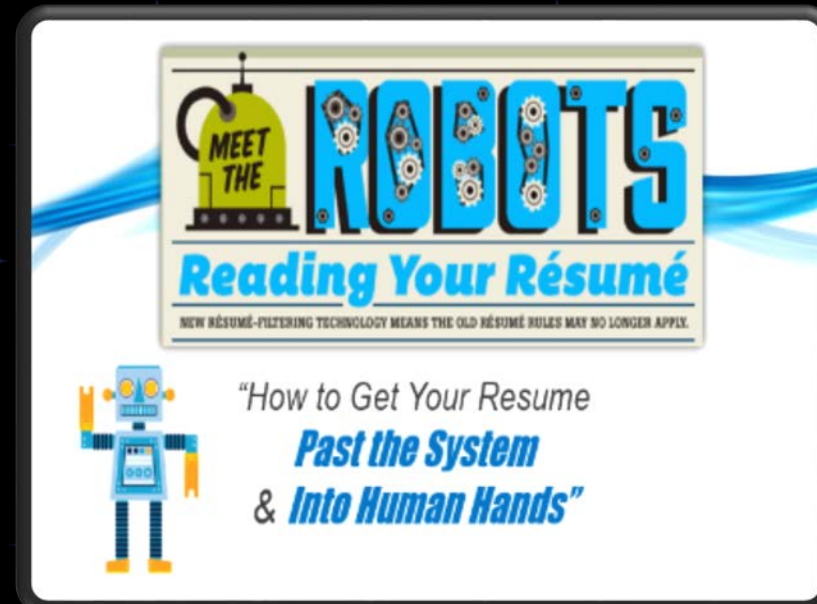
FOR YOUR CONSIDERATION:

*Some HR Recruiters are disconnected
No clue how GREAT your cyber curriculum is
CLUELESS on cyber certifications
LOST on the cyber job descriptions
INVITE THEM to a yearly cyber summit
Industry needs to invite their HR recruiters into a
room*

PARADIGM
SHIFT

FOR YOUR CONSIDERATION: *Beating the Resume Robots*

1. Students must learn how to beat the resume robots minimizing their job hunting frustration
2. Highlight *cyber competition experience* from high school through college
3. Highlight *if they mentor high school and middle school Cyber Patriot students*
4. Highlight *student memberships* in ISACA, ISSA, Infragaurd, etc.
5. Highlight if their school is **National Center of Academic Excellence in Information Assurance Education** OR **National Center of Academic Excellence in Information Assurance Research**



COMBAT READY

PARADIGM
SHIFT

FOR YOUR CONSIDERATION:
*Encourage students to be active
in local cyber memberships*

LIFE
PRO TIPS



**“IF YOU DON’T DESIGN YOUR OWN LIFE PLAN,
CHANCES ARE YOU’LL FALL INTO SOMEONE
ELSE’S PLAN. AND GUESS WHAT THEY HAVE
PLANNED FOR YOU? NOT MUCH.”**

JIM ROHN

Resumes must highlight *student memberships* .

FOR YOUR CONSIDERATION:
Develop Cyber Student's Emotional Intelligence



Emotional intelligence is an essential part of the whole person.



PARADIGM
SHIFT

“EQ development helps the student do better in the interview & succeed working on a cybersecurity team”

FOR YOUR CONSIDERATION: ASK YOUR LOCAL INDUSTRY TO SHARE THEIR CYBER CAREER LADDER FOR EACH ROLE



Career Path for a
SOC Tier 1 Analyst
Minimum Recommended Core Skills

CAN OCCUR
TENURE
WITHIN
6-18 MONTHS

COMBAT READY

**ATTEND CORPORATE
UNIVERSITY COURSES**

CYBER RANGEMASTER
COMBAT READY & EXPERIENCE LADDER

ACTIVE MEMBERSHIP IN ANY LOCAL CYBER GROUP?
ISSA ISACA
ONLINE APP

Complete Mo
Competitions

SEC 701
Security Essentials
Bootcamp Style
GSEC



ALL CYBER NEW HIRE'S
FIRST 90 DAYS IS SCRIPTED

- ✓ PAIR WITH A CYBER CAREER ADVISOR
- ✓ GET ASSIGNED A CYBER MENTOR
- ✓ UTILIZE CYBER COMPETENCY MODEL
- ✓ STUDY NEW HIRE CYBER GLOSSARY GUIDES
- ✓ STUDY NEW HIRE CYBER ACRONYM GUIDES

**ENTRY LEVEL
CORE**

**MINIMUM Technical &
Leadership Skills**



COLLEGE DEGREE **or** SOME
COLLEGE COURSE WORK

Comp TIA
Network+

ANY COMBAT
READY SKILLS?

Comp TIA IT
CSA+

Comp TIA
Security+

Cisco
CCNA



hefftv201cloud.com

COMBAT READY



CYBER DEVELOPMENT FRAMEWORK



FOUNDATIONAL LEVEL
'New Hires'
TOOLS & RESOURCES AVAILABLE

TRANSITIONAL LEVEL
'Non-Management'
TOOLS & RESOURCES AVAILABLE

DIRECTOR & MANAGERIAL LEVEL
'Supervisor Level & Above'
TOOLS & RESOURCES AVAILABLE

"experiential layer"
COMBAT READY
CYBER RANGE

CYBERPATRIOT USCC
NATIONAL COLLEGIATE CYBER DEFENSE COMPETITION ODECA US CYBER CHALLENGE
STEM INTERN

CYBER RANGE **CYBER RANGE**

IR PLAYBOOK EXERCISES IR PLAYBOOK EXERCISES

REQUEST CYBER STRETCH ASSIGNMENTS
CYBER JOB SHADOW PROGRAM

DHS Fusion Center
ANALYST EXCHANGE PROGRAM

DHS Fusion Center
ANALYST EXCHANGE PROGRAM

PARTICIPATE IN CYBER TABLE TOP EXERCISES

PRACTICAL APPLICATION

ALL CYBER NEW HIRE'S
FIRST 90 DAYS MUST BE SCRIPTED

ALL TRANSITIONAL CYBER NEW HIRE'S
FIRST 90 DAYS MUST BE SCRIPTED

ALL CYBER MANAGERS +
FIRST 90 DAYS MUST BE SCRIPTED



NEW HIRES OFFERED 30/60/90 TOOL OPPORTUNITIES FOR PAID CERT BOOTCAMPS OPPORTUNITIES FOR PAID CYBER MEMBERSHIPS / YEAR OPPORTUNITIES FOR PAID CONFERENCES / YEAR

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NEW HIRES OFFERED 30/60/90 TOOL OPPORTUNITIES FOR PAID CERT BOOTCAMPS OPPORTUNITIES FOR PAID MEMBERSHIPS / YEAR OPPORTUNITIES FOR PAID CONFERENCES / YEAR

ABSTRACT CONCEPTUALIZATION

NEW HIRE CYBER CAREER GUIDES
NEW HIRE CYBER PROMOTION GUIDES
ATTEND CORPORATE UNIVERSITY COURSES TO LEARN THE BUSINESS / INDUSTRY

OFFER TUITION REIMBURSEMENT
ATTEND CORPORATE UNIVERSITY COURSES TO LEARN THE BUSINESS / INDUSTRY

OFFER TUITION REIMBURSEMENT
CORPORATE UNIVERSITY COURSES TO LEARN THE BUSINESS / INDUSTRY

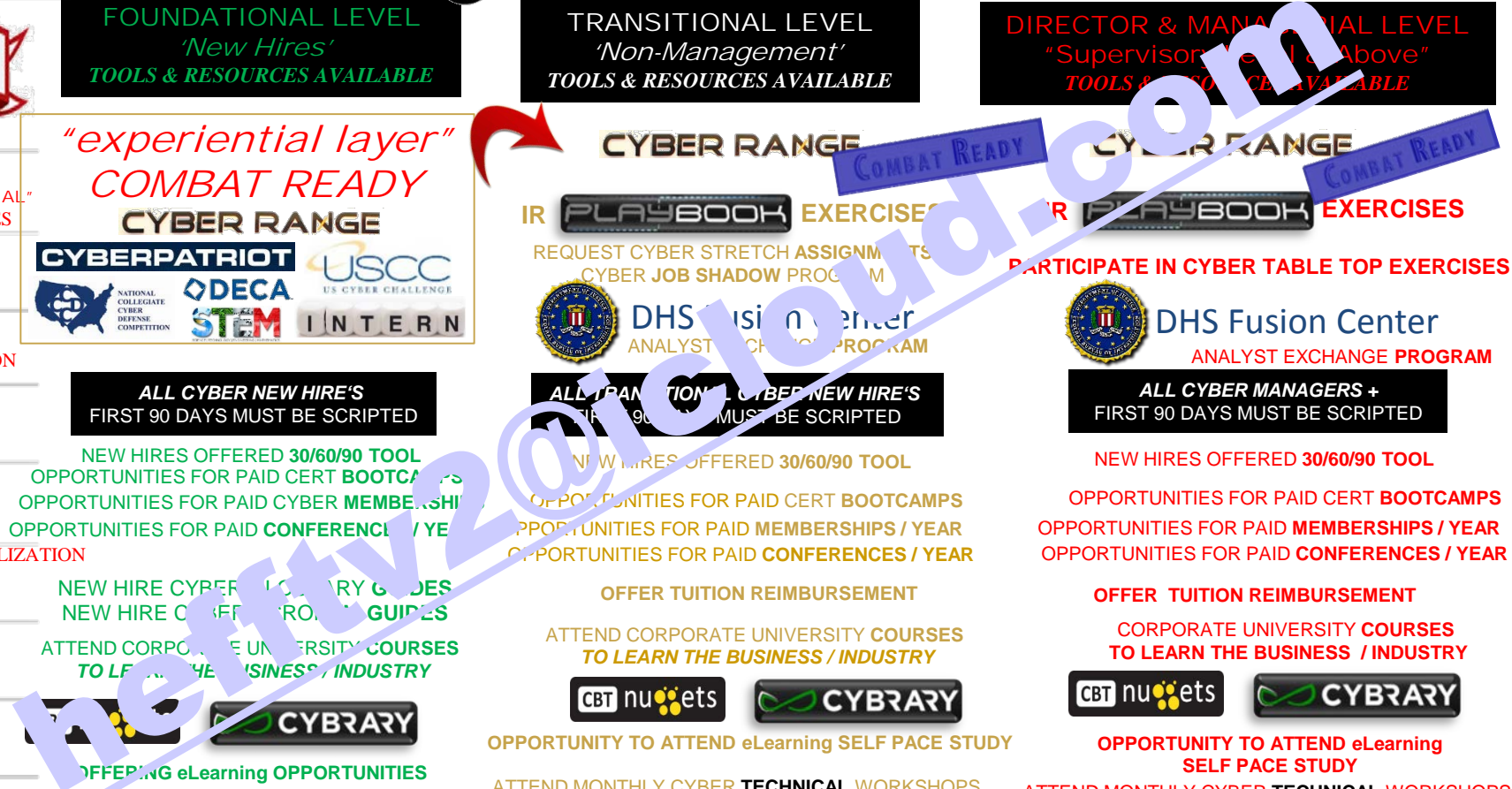
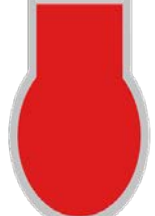


OFFERING eLearning OPPORTUNITIES
PAIRED WITH CYBER CAREER ADVISOR
CYBER MENTOR & ROLE MODEL GUIDE
CYBER CAREER PATH PLANNING TOOL
CYBER COMPETENCY MODEL TOOL

OPPORTUNITY TO ATTEND eLearning SELF PACE STUDY
ATTEND MONTHLY CYBER TECHNICAL WORKSHOPS
ATTEND MONTHLY CYBER LEADERSHIP WORKSHOPS
ATTEND MONTHLY THREAT BRIEFINGS
CYBER MENTOR & COACHING GUIDANCE TOOL
CYBER CAREER PATH PLANNING TOOL
CYBER 360 DEGREE FEEDBACK TOOL

OPPORTUNITY TO ATTEND eLearning SELF PACE STUDY
ATTEND MONTHLY CYBER TECHNICAL WORKSHOPS
ATTEND MONTHLY CYBER LEADERSHIP WORKSHOPS
ATTEND MONTHLY THREAT BRIEFINGS
CYBER 360° FEEDBACK TOOL

REFLEXIVE OBSERVATION



COMBAT READY

Job shadow & paid internships available up to 10 weeks

Potential for cyber security employment



Introducing Governance & Risk



Multi-Week Experience or Longer

- This is where it all starts!
- See & hear first hand about current Threats, Risks & Vulnerabilities
- Dive into Governance & its role**
- Discover how SOPs are created
- See standards in action
- Participate in creating an SOP
- Learn about our Governance frameworks & becoming ISO certified**
- See what a vulnerability analyst does
- Shadow a Pen Tester**
- Participate in vuln management scanning & resolution**
- Dive into SCADA and ICS**
- Debrief with your Mentor

Cyber Welcome Briefing & Orientation

Full Day Welcoming Experience

- Meet the Cyber Team & your dept**
- Attend Cyber Briefing**
- Learn about our growth & goals
- Dive into our strategic imperatives
- See our cyber culture first hand
- Meet your Cyber Mentor
- Meet your Cyber Coach / Advisor
- Discuss your development plan
- Review CIA Triad & Confidentiality
- Review our cyber expectations
- Let's hear your expectations

Cyber Strategy

Multi-Week Experience or Longer

- Shadow a Security Engineer**
- See how they conduct threat risk assessments & much more
- Shadow a Security Architect**
- Experience their role including interpreting white reports
- Learn how to read & interpret a Security report
- Shadow a Data Protection Manager**
- Experience what a security data protection looks like at Sandstorm
- Hear how the data is managed & secured

Cyber Executive Leadership Experience

Unique Rotational Experience

- One-On-One Time with Sen. VP of InfoSec**
- One-On-One Time with Each Cyber Director**
- NOTE: based on the needs of our business**
- You will rotate between Cyber Leaders
- See the world of Cyber Security in their eyes**
- Discuss their current opportunities & challenges
- Hear first hand their career progression
- Learn about their approach to leadership

Security Operations Center

Multi-Week Experience

- Shadow SOC Analysts**
- Discover how we analyze traffic & respond to alerts
- Participate in triage & mitigation techniques **SEE THE KILL CHAIN LIVE**
- Experience & use our SOC tools
- Shadow an INCIDENT RESPONDER**
- Perform the role of IR
- Participate in incident response table top exercises & help write incident playbooks
- Dive into threat Intelligence
- Perform malware analysis

Global Cyber Security Training & Awareness

Multi-Week Experience (or Longer)

- Run a security awareness campaign
- Experience running phishing simulation campaign**
- Review adult learning principles
- LIVE FIRE! Cyber Range Experience**
- Attend ISSA, ISACA, InfraGard, ISC2 meetings
- Leadership Coaching:** What it takes to lead
- Deciphering Certifications & Memberships
- Coaching Session:** Cyber Career Options
- Coaching Session:** Cyber Career Ladders

Global Investigations, Forensics, & Data Loss Prevention Services

Multi-Week Experience

- (may be limited due to ongoing investigations)*
- Meet the DFI Forensics Team**
- Attend Forensics Orientation**
- Hear how a typical investigation is handled
- Experience evidence handling (Locker)
- Learn what a Mobility Server is
- Dive into how to recover data
- Experience Mobile Forensics**
- Experience how to image a phone
- Debrief with your Mentor/Coach



*FOR YOUR CONSIDERATION:
COMPLIANCE = SECURITY?
SECURITY = RISK REDUCTION?*

COMBAT READY

THIS YEAR'S BIG-NAME
DATA BREACHES

ebay

THE HOME
DEPOT

DQ

P.F. CHANG'S
CHINA BISTRO

ups

at&t

STAPLES

K
kmart.

SALLY
BEAUTY

STAPLES

goodall

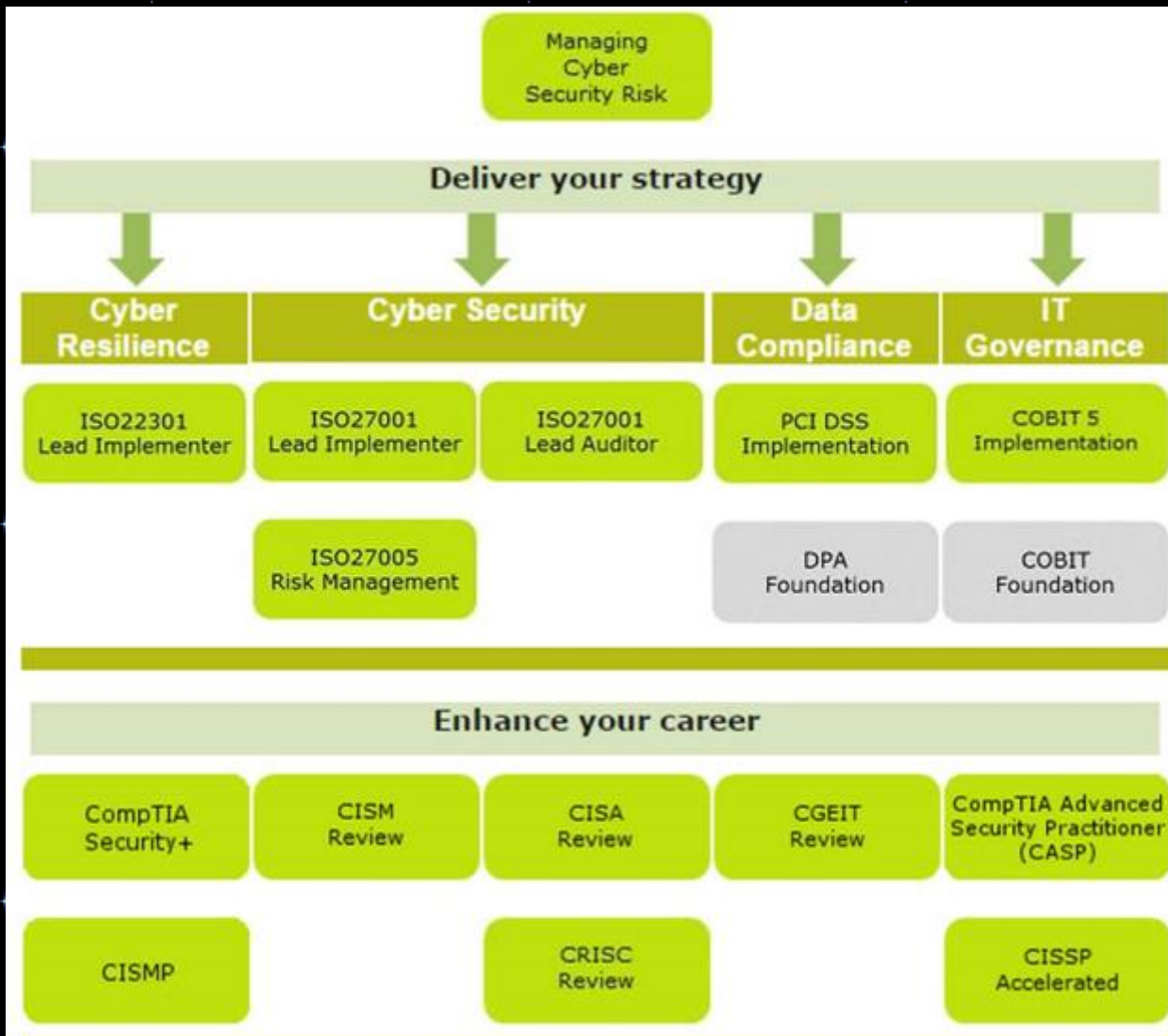
Michaels
Where Creativity Happens

Certificate of PCI Compliance
Issued by CentraScan - ASV# 4870-01-05

100%
PCI
COMPLIANT

Source: Blackhat

FOR YOUR CONSIDERATION: GREATER CURRICULUM EMPHASIS ON GOVERNANCE, LEGAL, & RISK



FOR YOUR CONSIDERATION:
*ENCOURAGE CYBER STUDENTS TO
DEMONSTRATE CYBER SKILLS THAT
REQUIRE ZERO TALENT*

1. BE ON TIME
2. DEMONSTRATE IMPECCABLE INTEGRITY
3. DEMONSTRATE WORK ETHIC & 'CYBER GRIT'
4. DEMONSTRATE A DESIRE TO LEARN
5. MAKE AN EFFORT
6. DEMONSTRATE TRANSPARENT COMMUNICATIONS
7. TRUST BUT VERIFY
8. BECOME SECURITY METRICS DRIVEN
9. DEMONSTRATE ENGAGED BODY LANGUAGE
10. **HIGH ENERGY & PASSION TO DEFEND**
11. BE POSITIVE WITH A **CAN DO ATTITUDE**
12. **UNDYING PASSION TO STUDY YOUR CRAFT**
13. BE COACHABLE & **ACCEPT FEEDBACK**
14. **BE A TEAM PLAYER**
15. **DO EXTRA & GO ABOVE & BEYOND**
16. **BE PREPARED / STUDY YOUR NOTES**

BACK
TO THE FUTURE
CYBER

**HE WHO DEFENDS
EVERYTHING
DEFENDS NOTHING.**

**THANK
YOU**

