

RSAConference2016

San Francisco | February 29 – March 4 | Moscone Center



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SESSION ID: SPO3-W04

More Books You Should Have Read By Now: The Cybersecurity Canon Project

Rick Howard

CSO – Palo Alto Networks
@raceBannon99



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How Technical Are You?

How Technical Are You?



Geeks vs Non-Geeks: repetitive tasks

Source: Xkcd.com



Geeks vs Non-Geeks: repetitive tasks

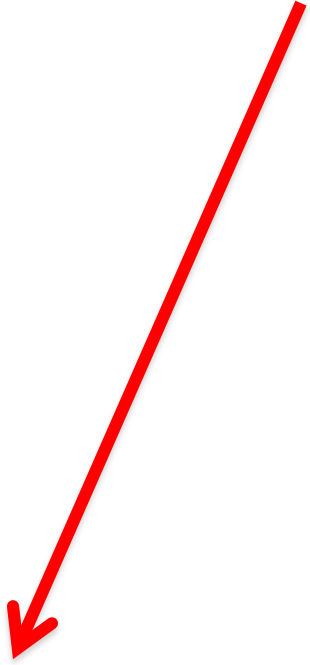
Source: Xkcd.com



Geeks vs Non-Geeks: repetitive tasks

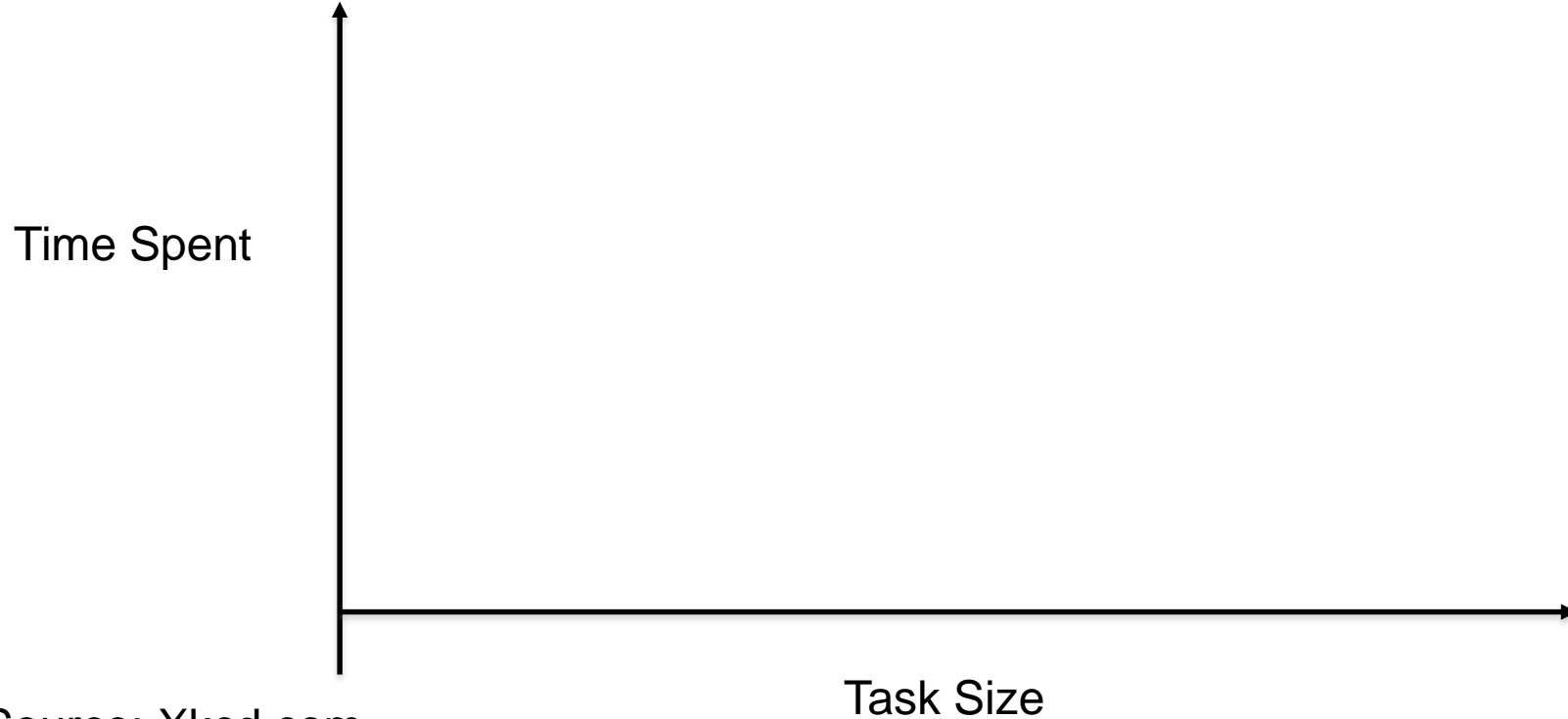
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Geeks vs Non-Geeks: repetitive tasks



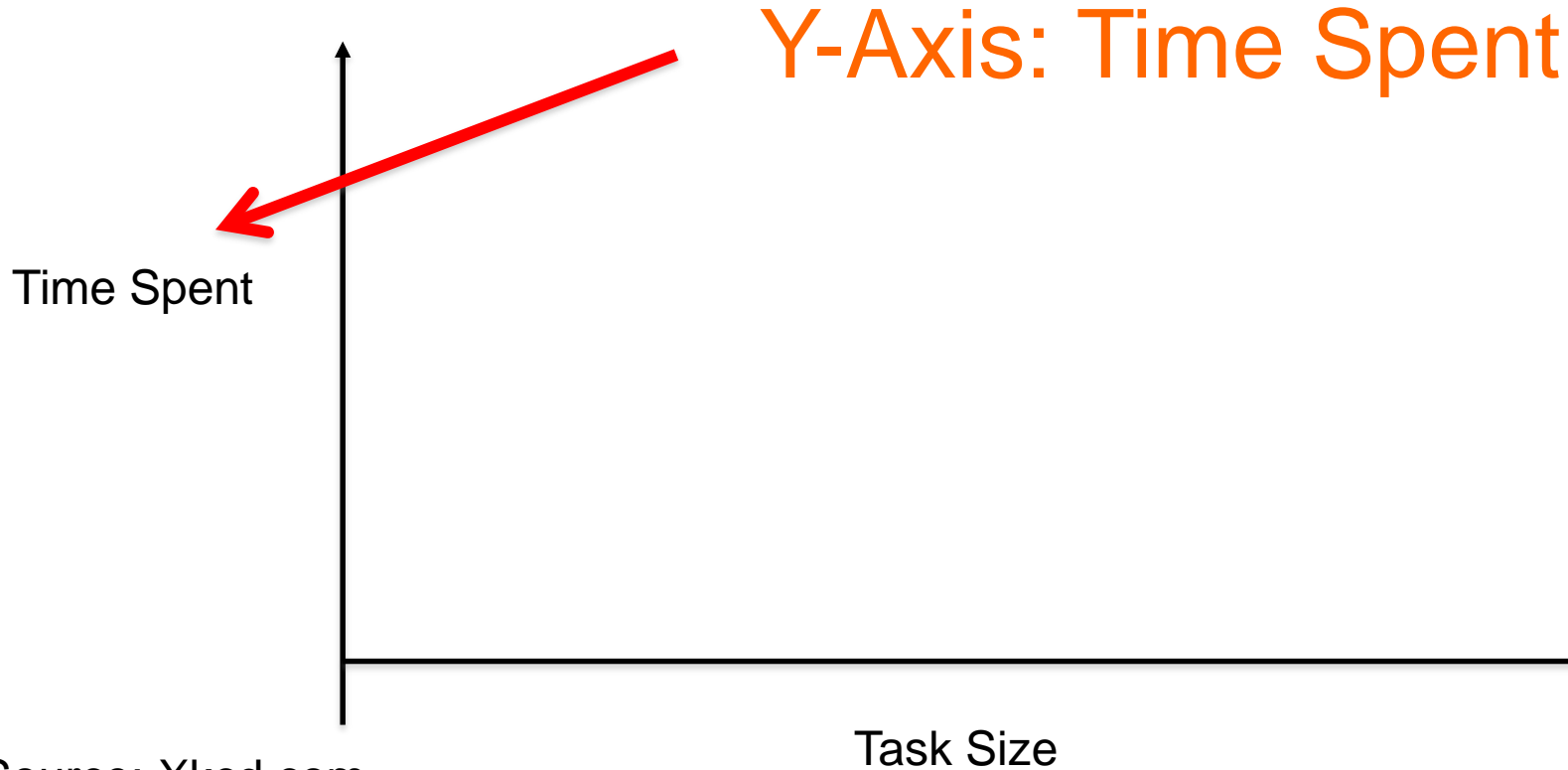
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Geeks vs Non-Geeks: repetitive tasks



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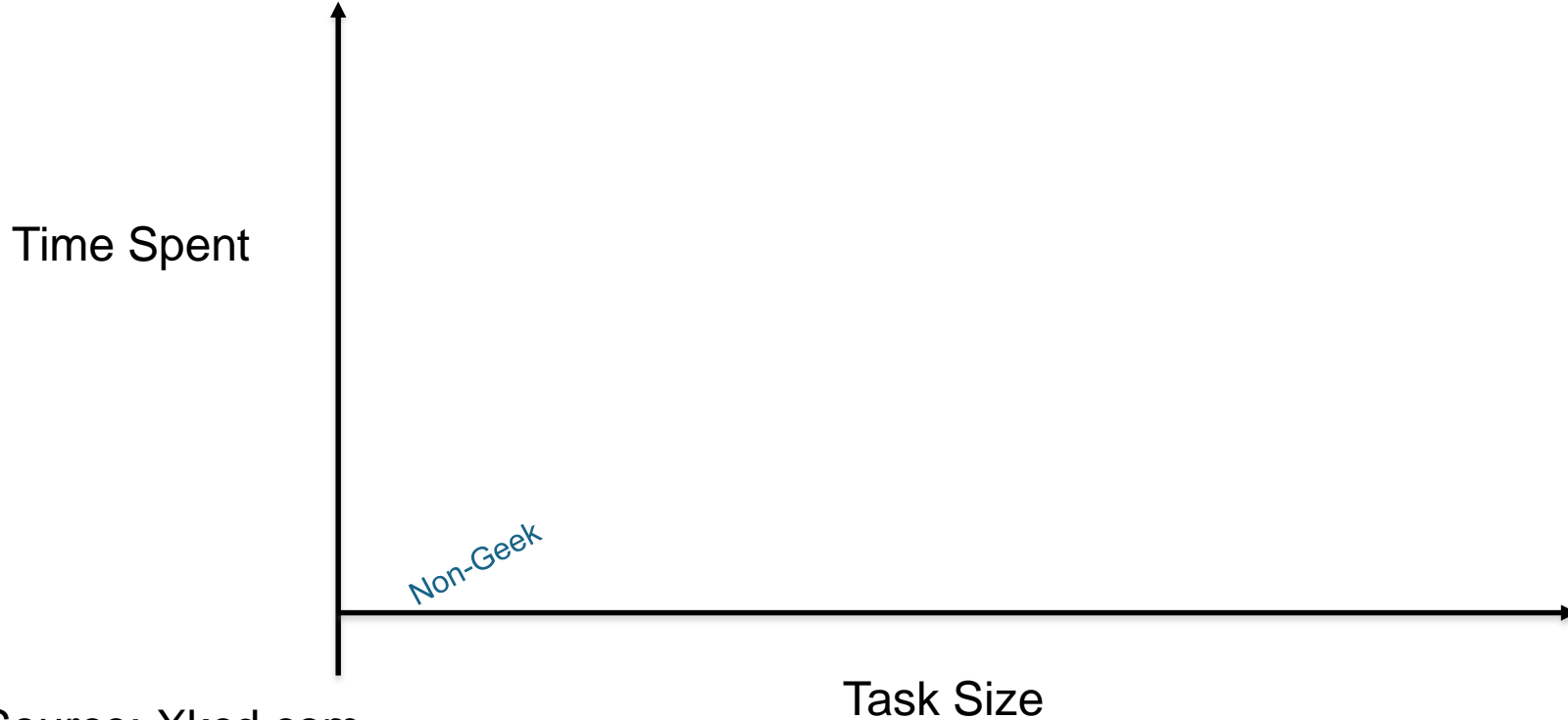
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Geeks vs Non-Geeks: repetitive tasks



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Source: Xkcd.com

Geeks vs Non-Geeks: repetitive tasks

Time Spent



Non-Geeks – The Beautiful People

Non-Geek

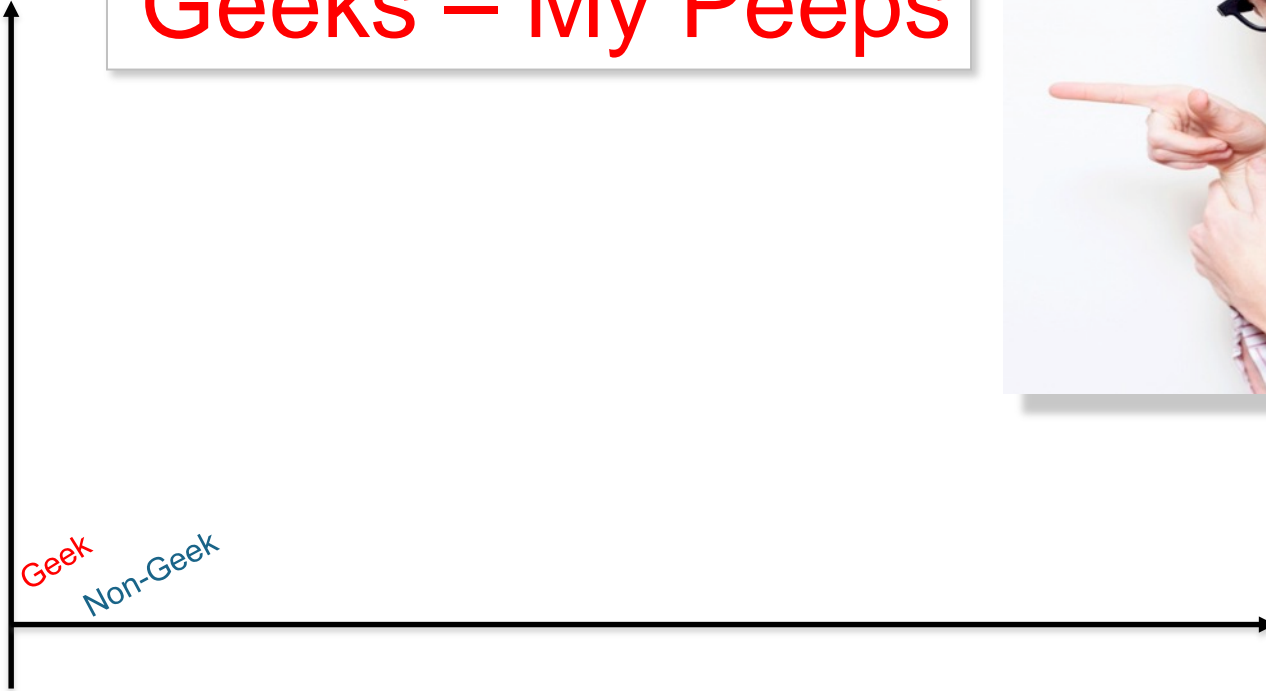
Task Size

Source: Xkcd.com

Geeks vs Non-Geeks: repetitive tasks

Geeks – My Peeps

Time Spent

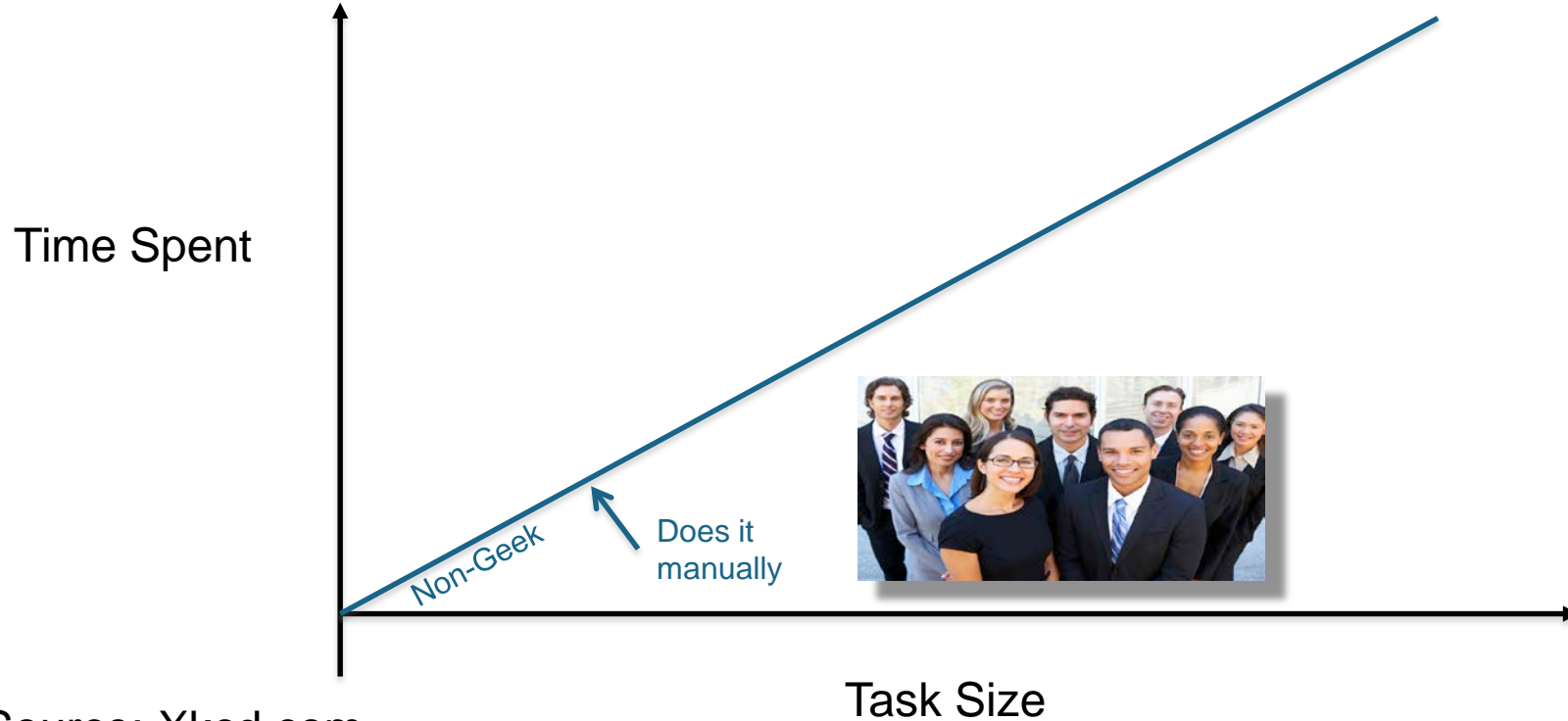


Task Size

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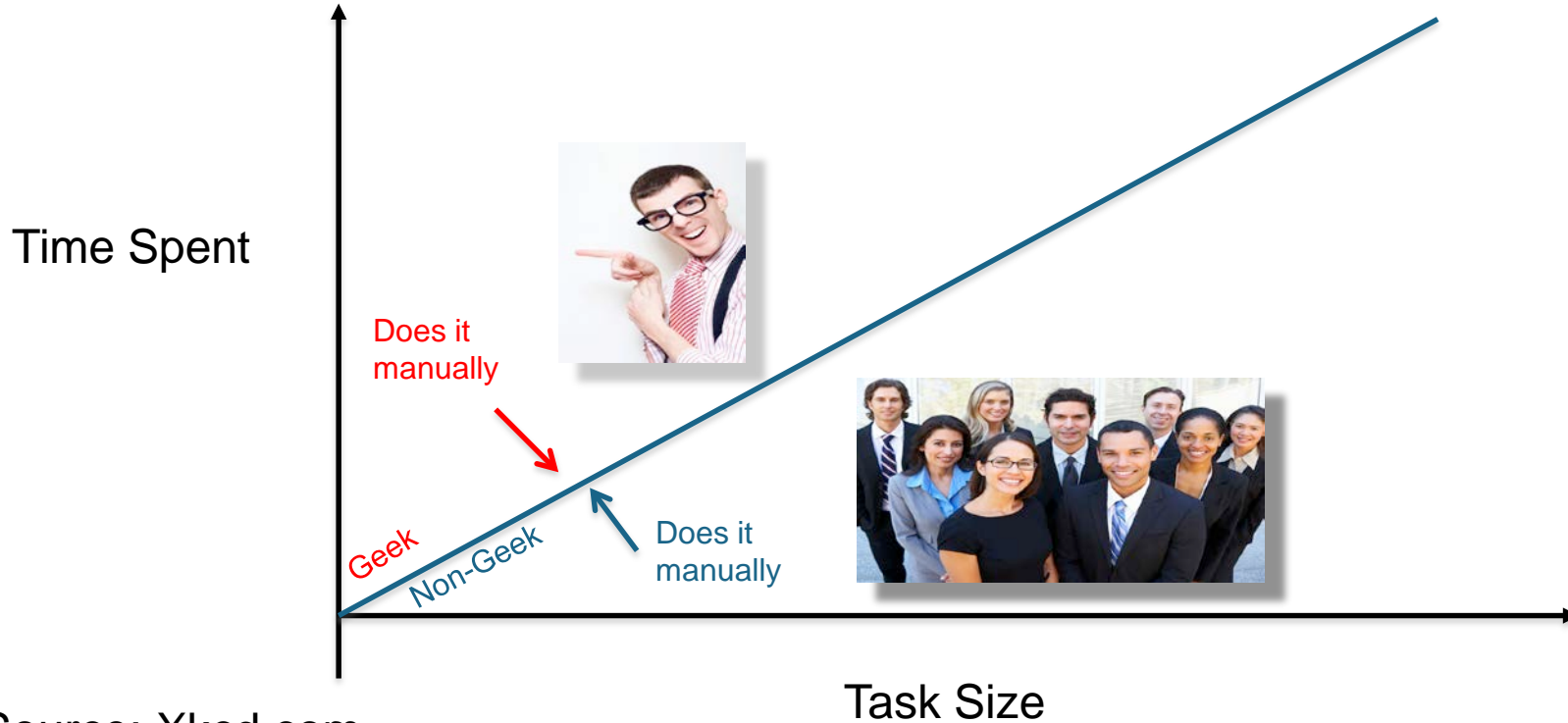


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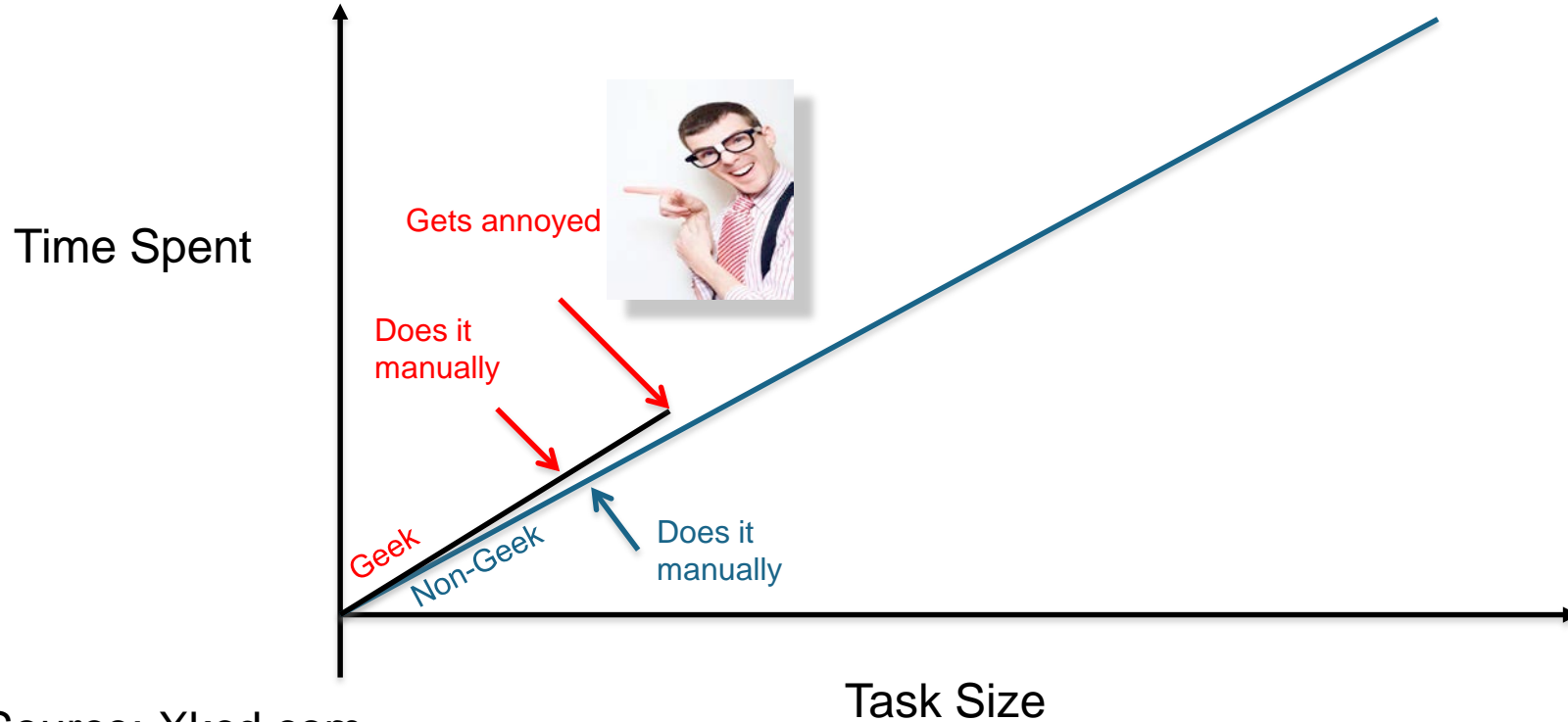
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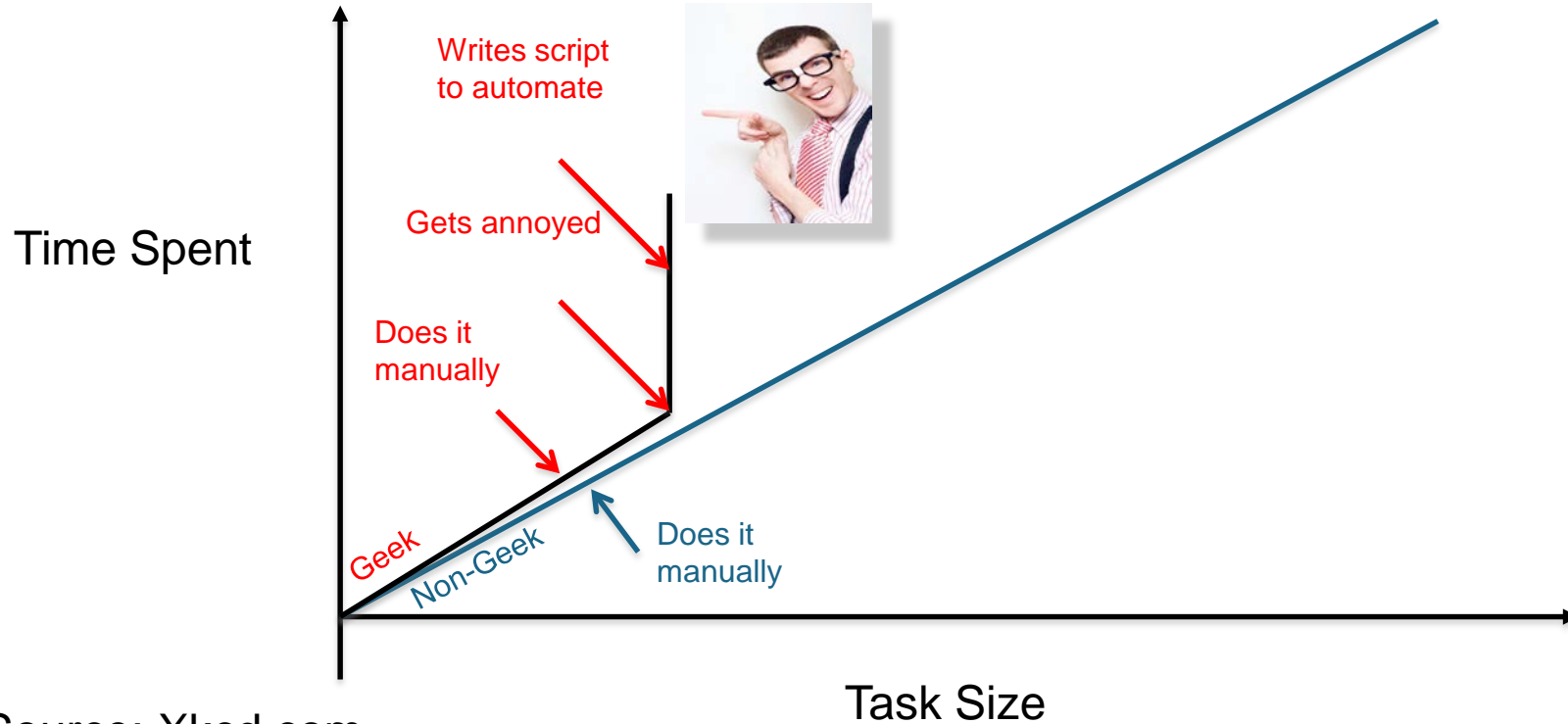
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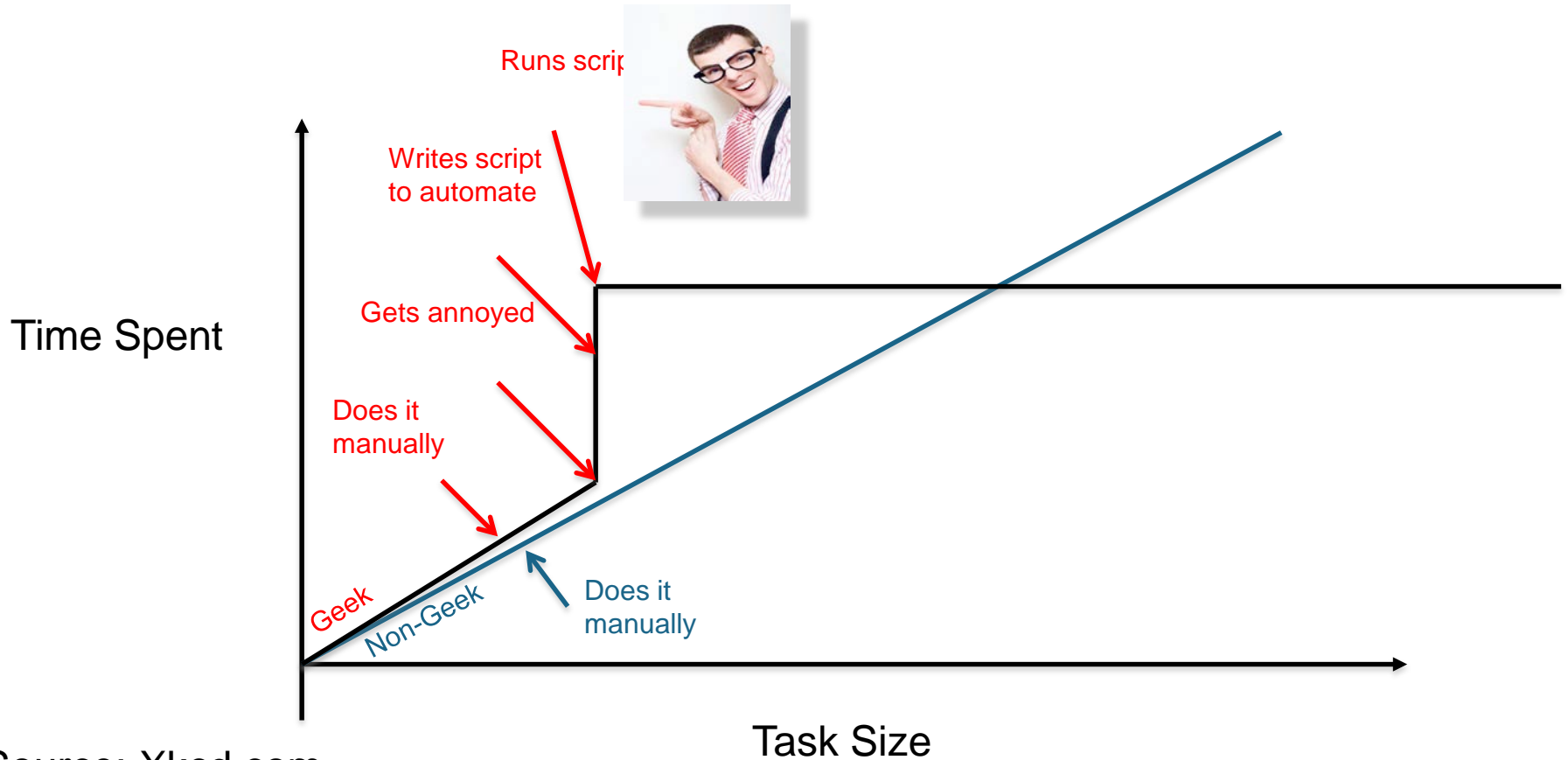


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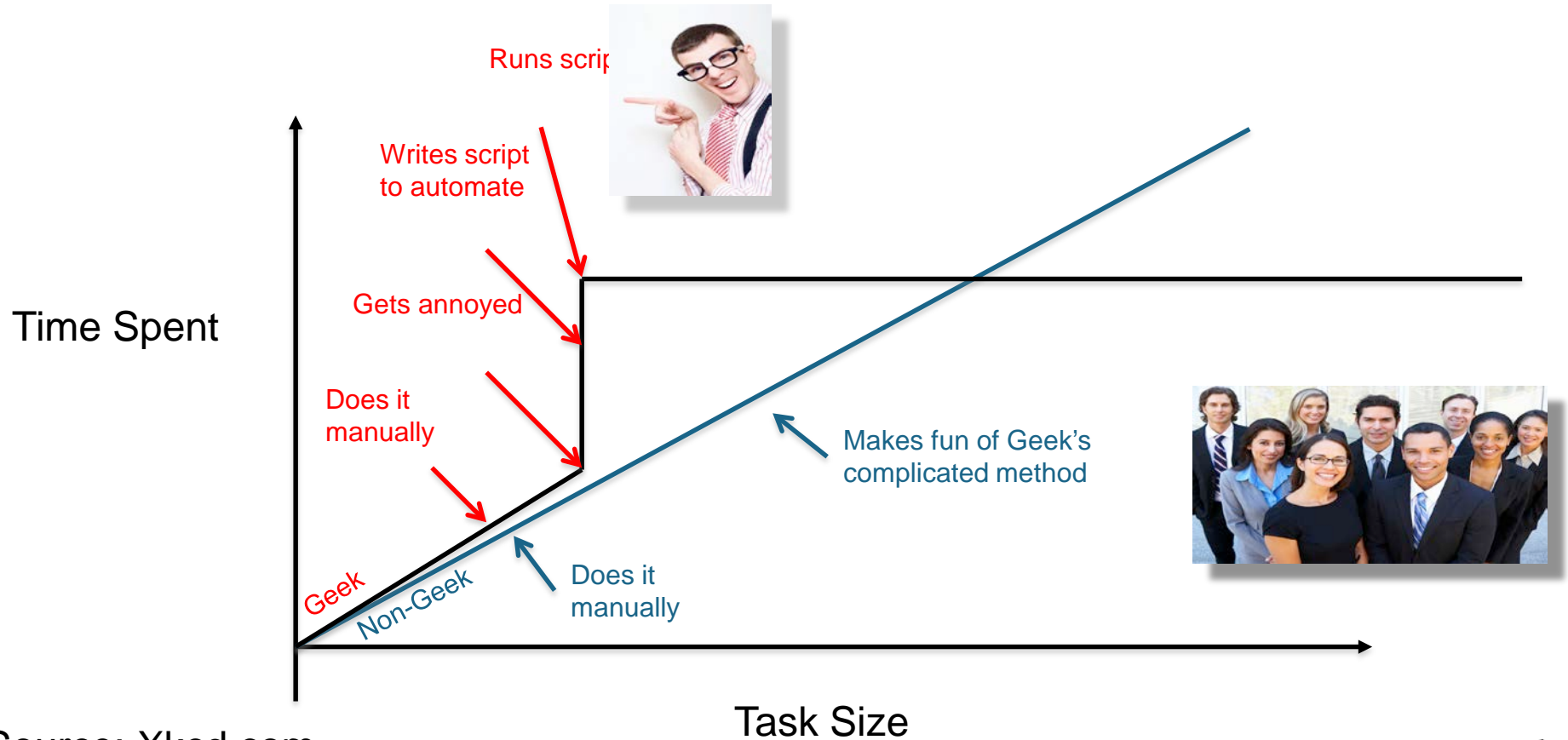


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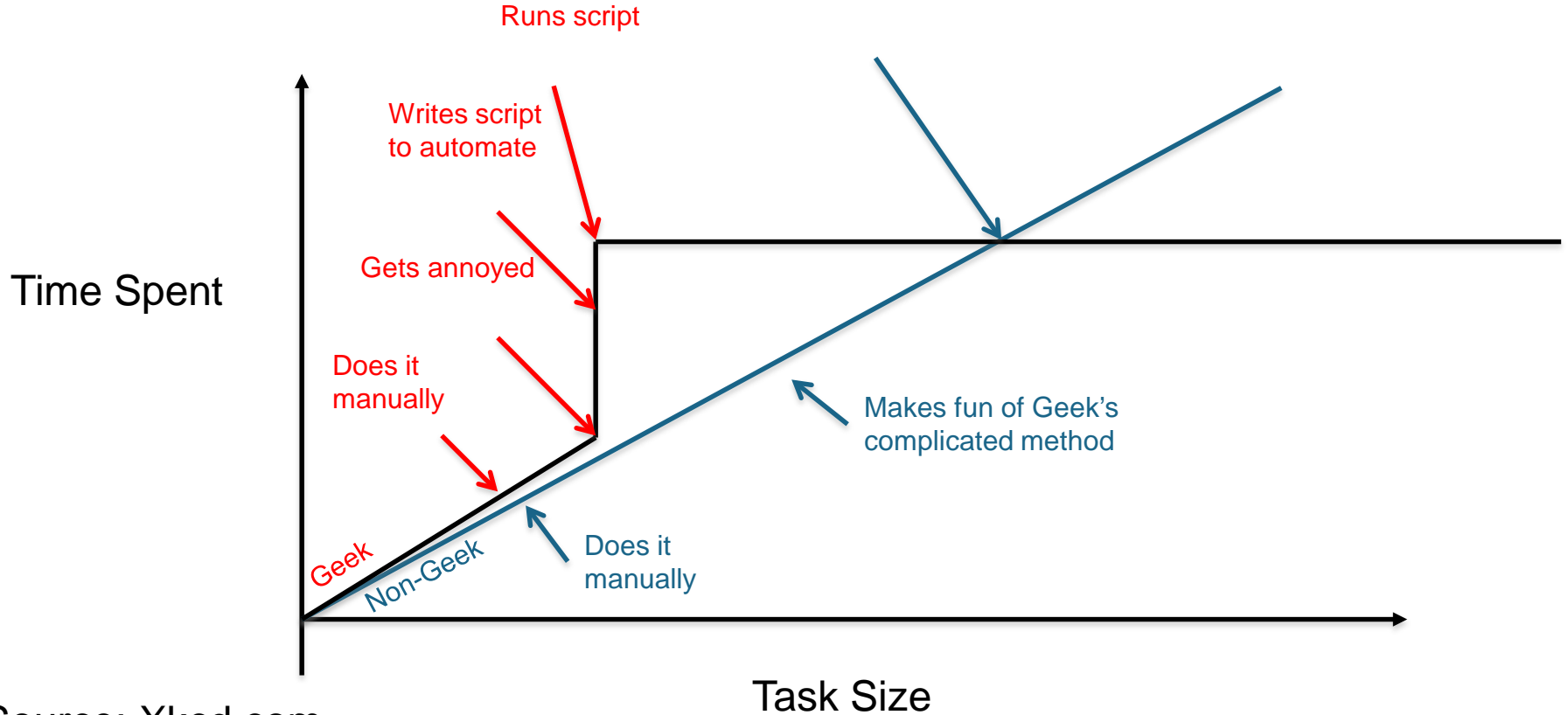
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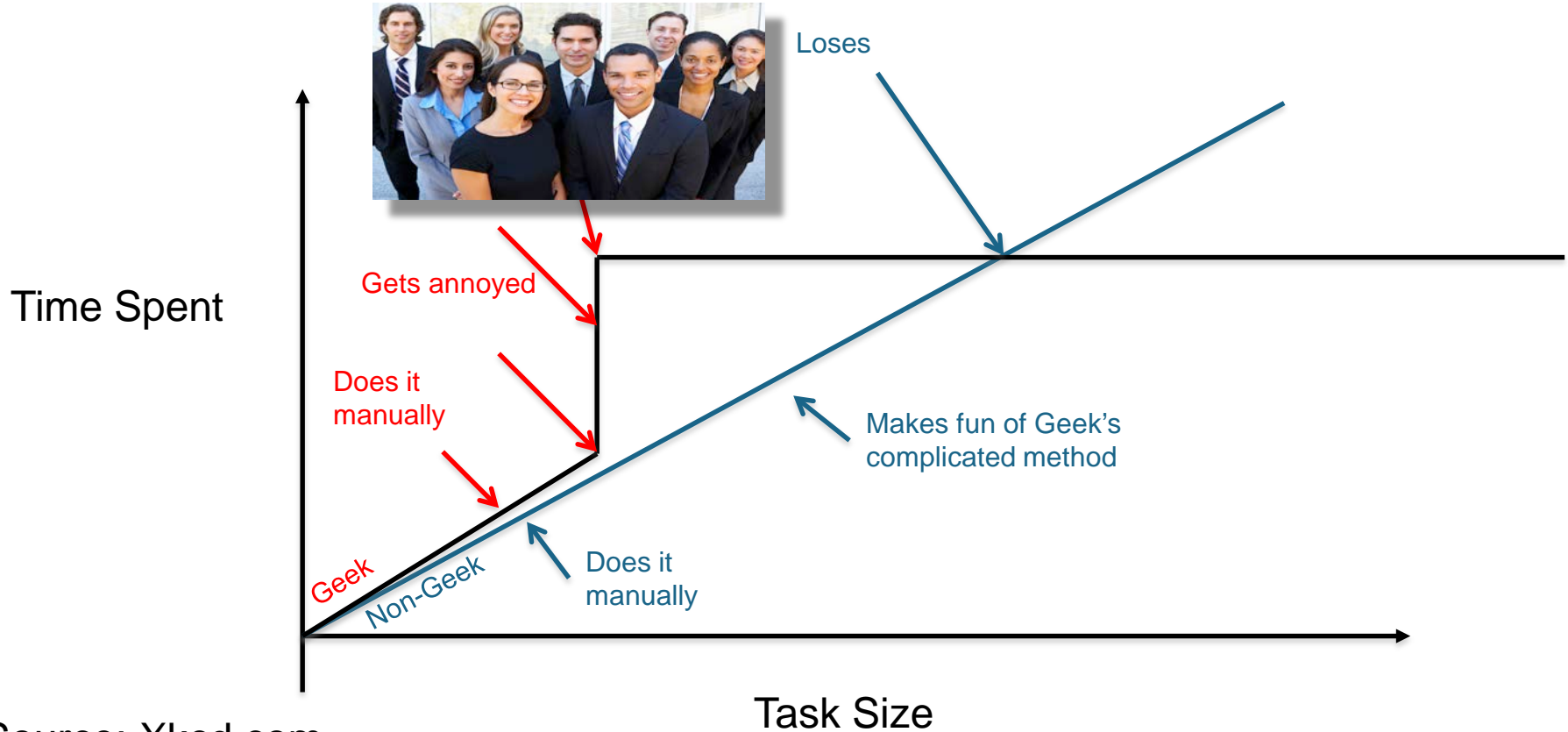
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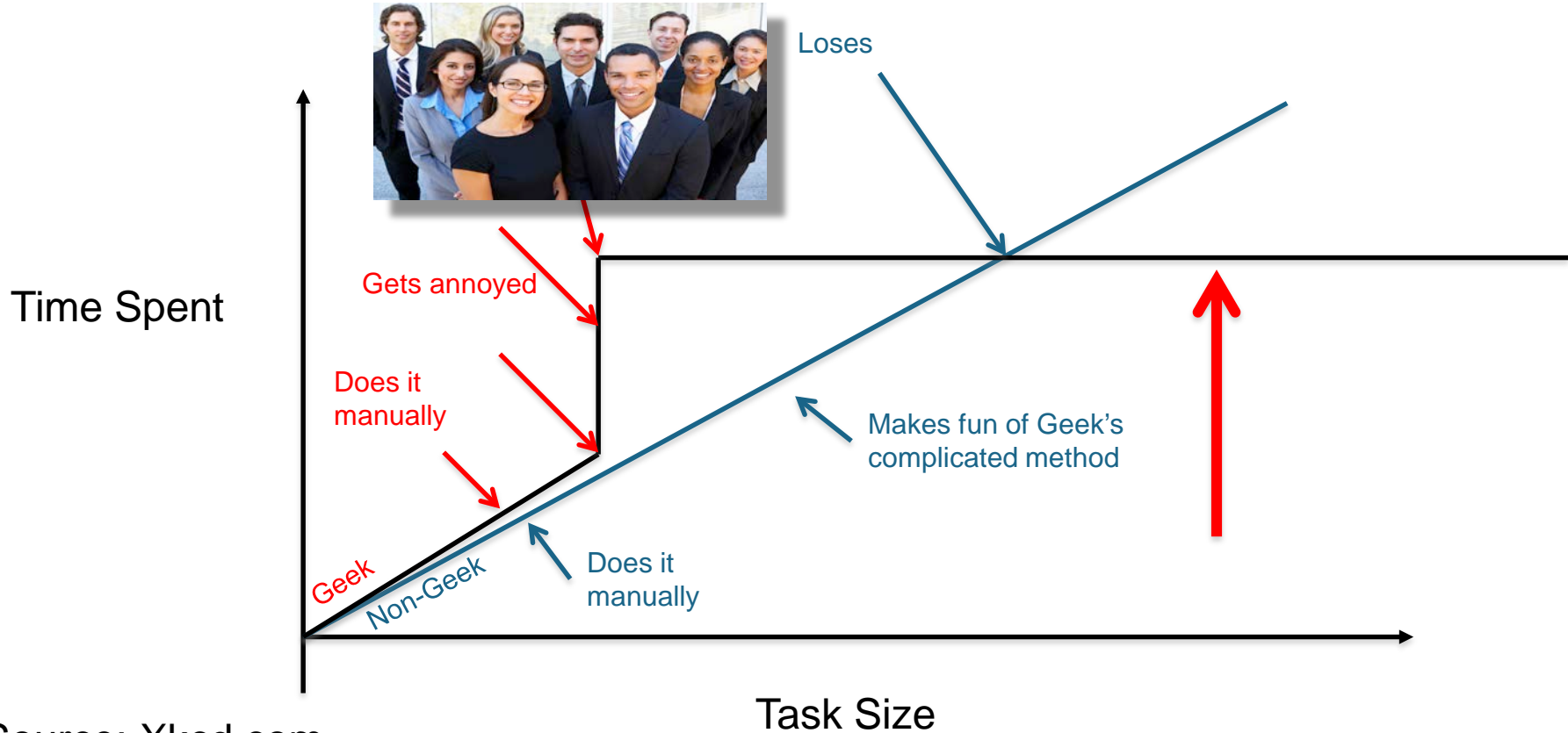
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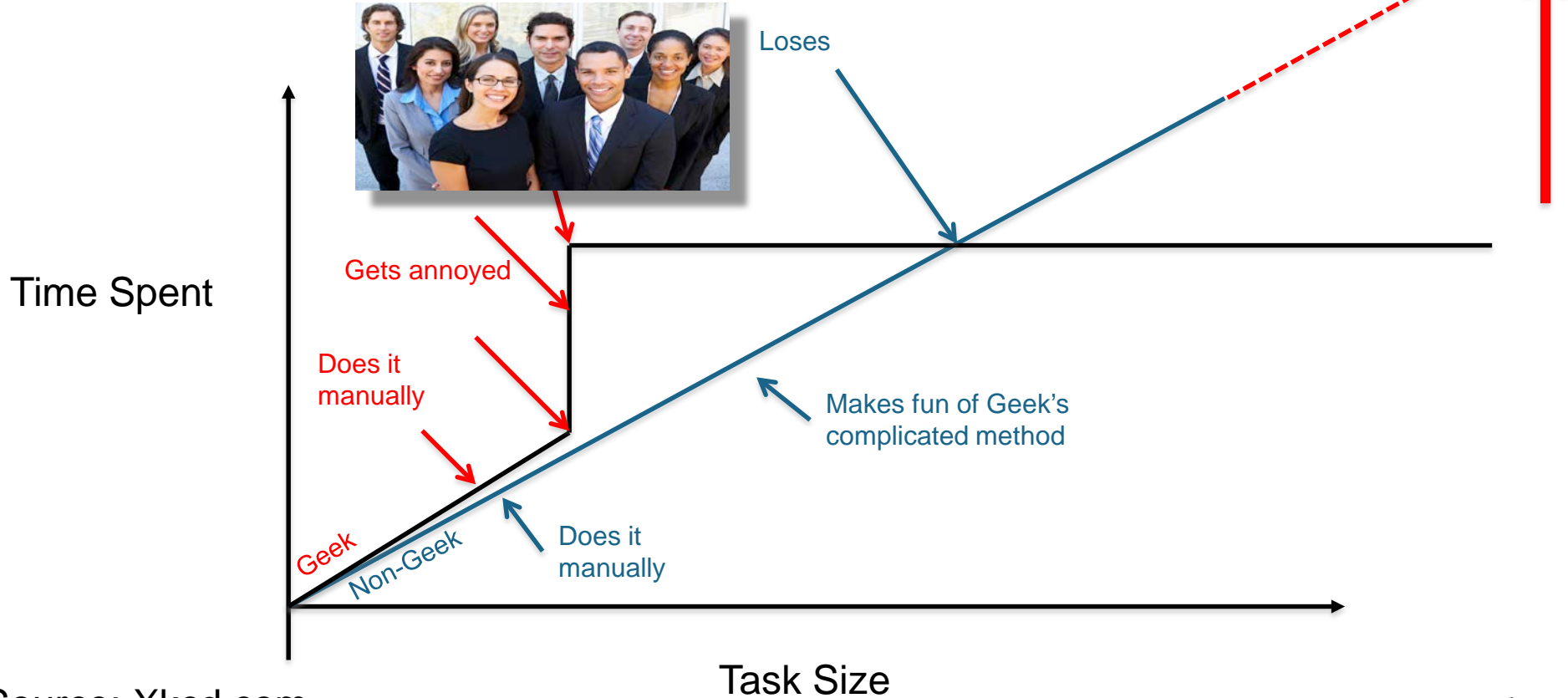
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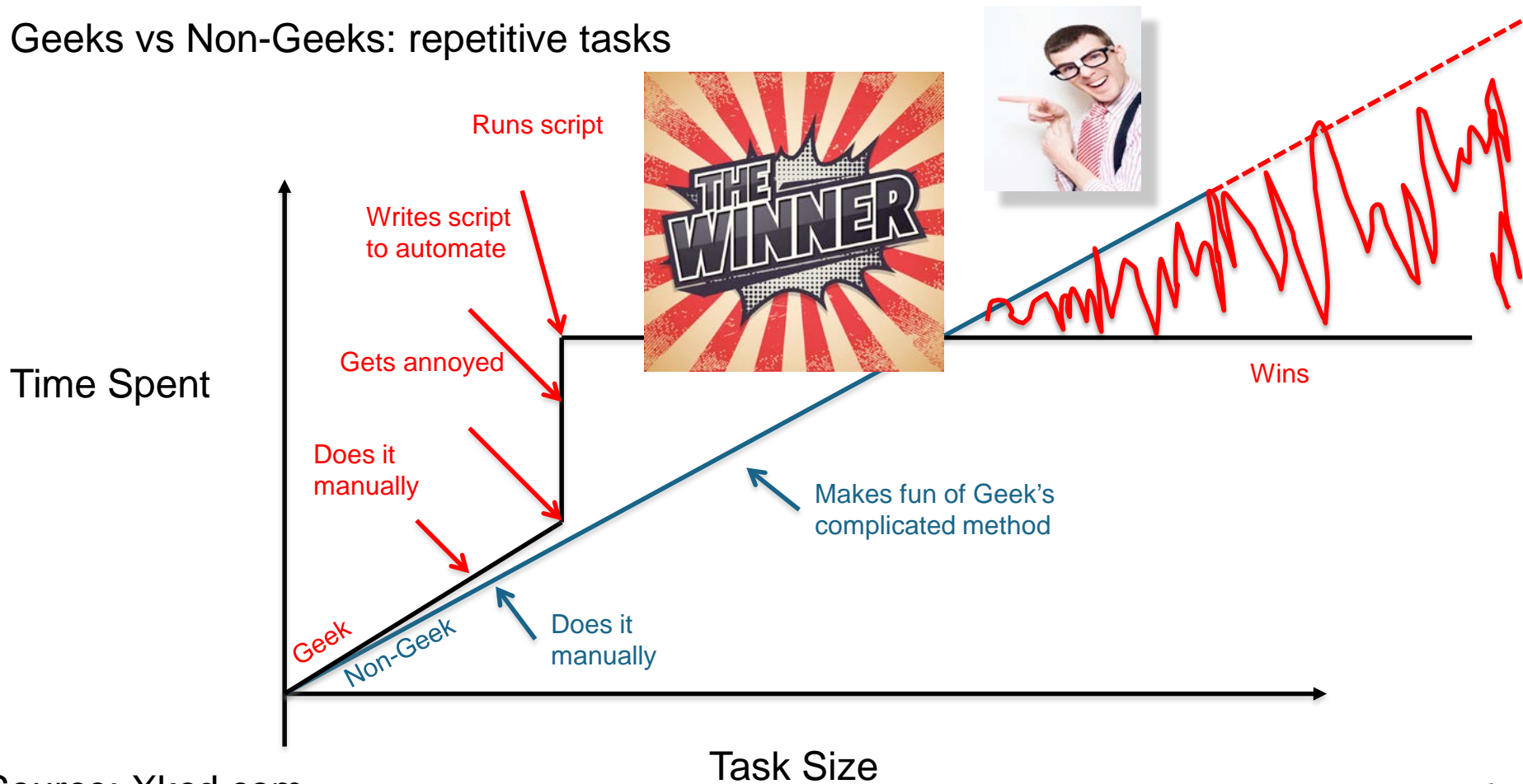
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Geeks vs Non-Geeks: repetitive tasks



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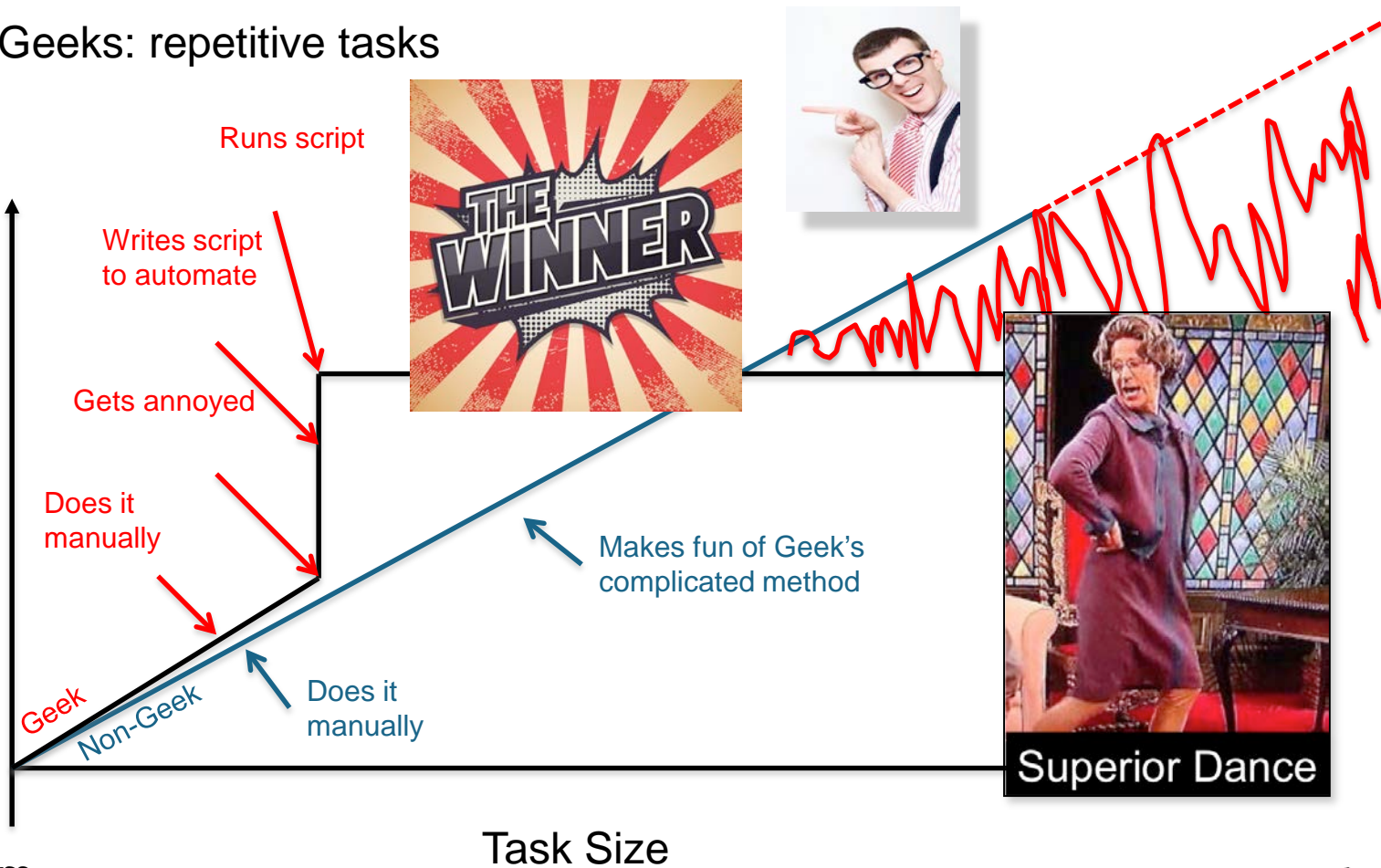
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Geeks vs Non-Geeks: repetitive tasks

Time Spent



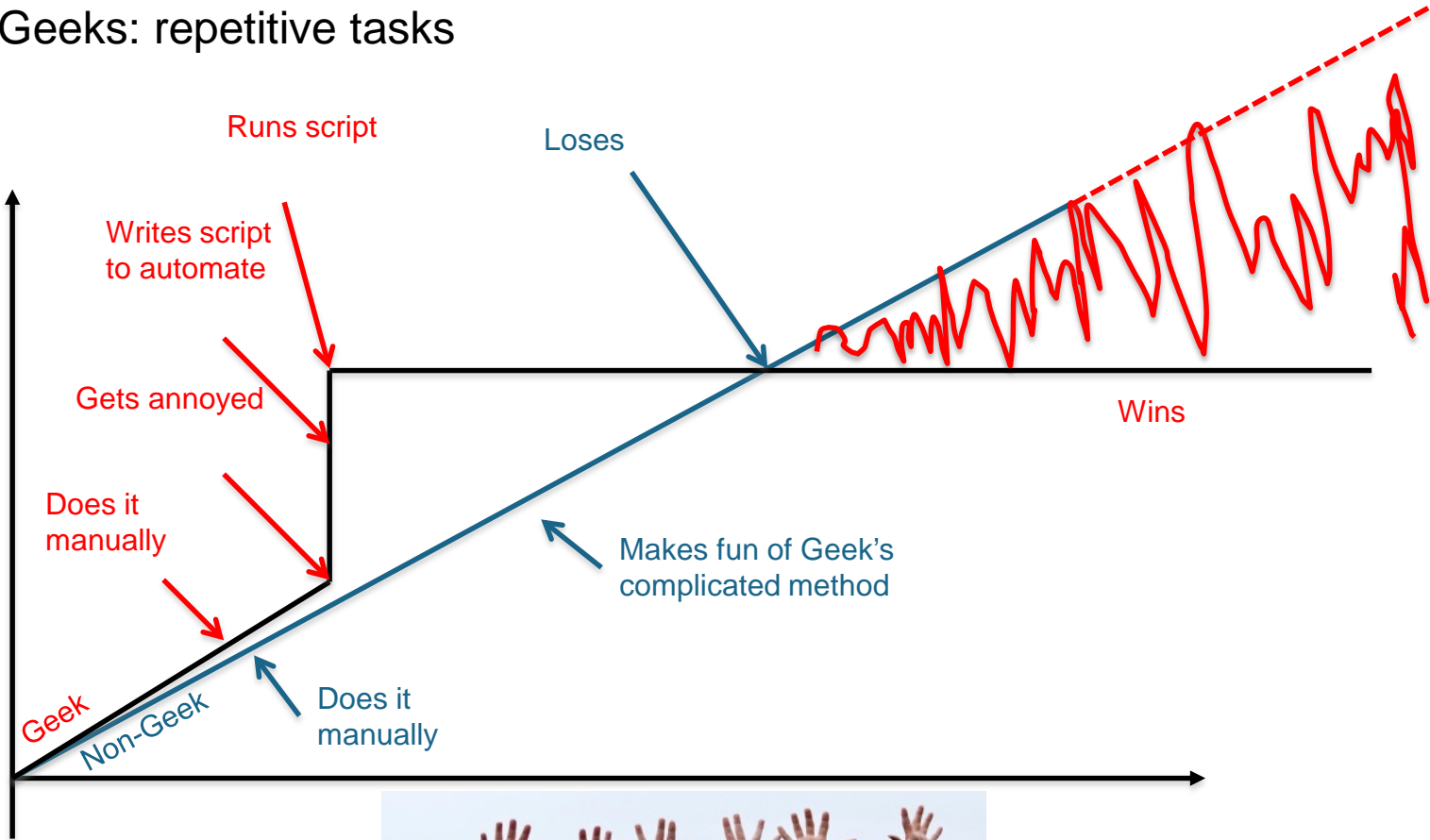
Task Size

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Geeks vs Non-Geeks: repetitive tasks



Time Spent

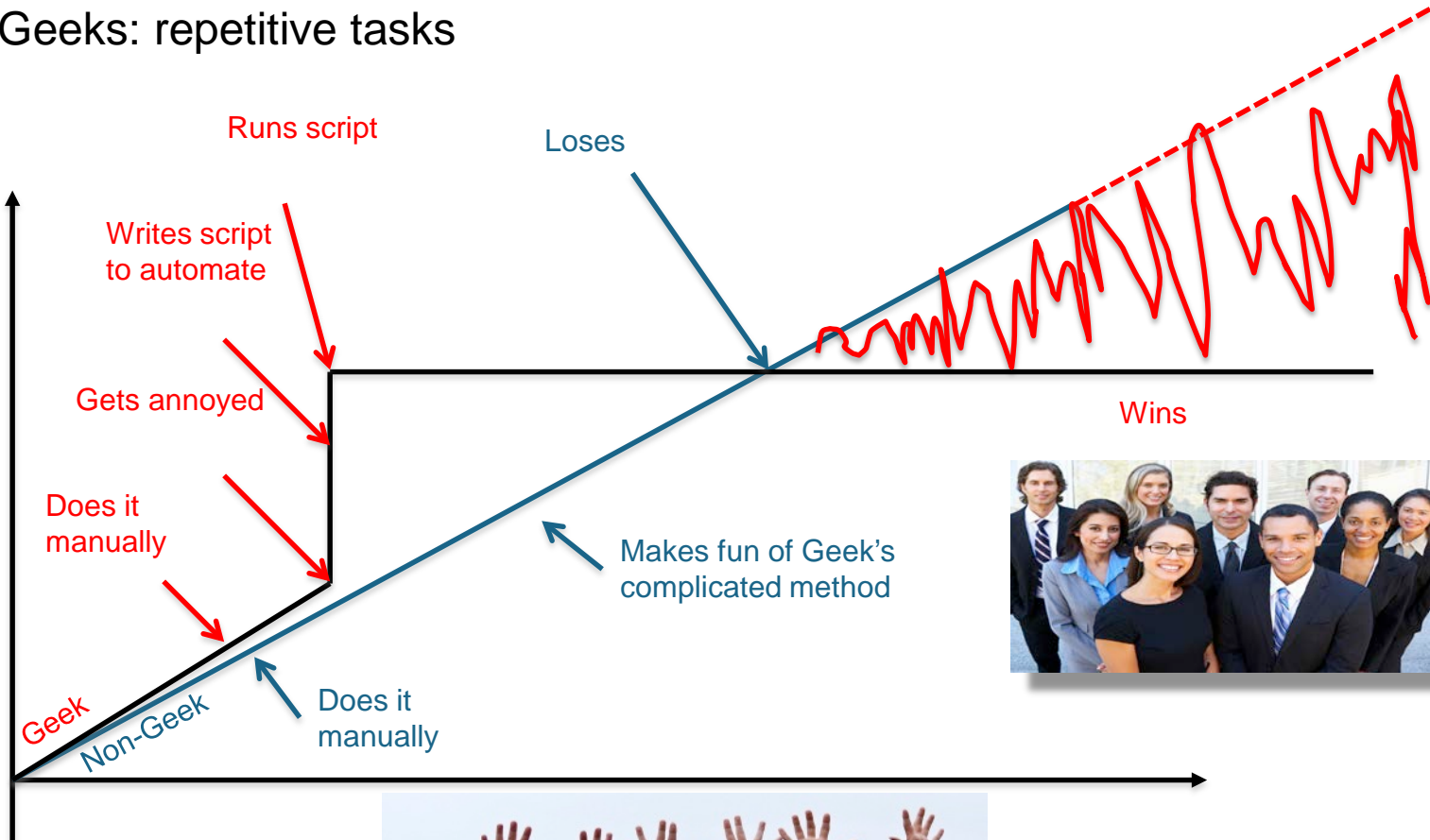


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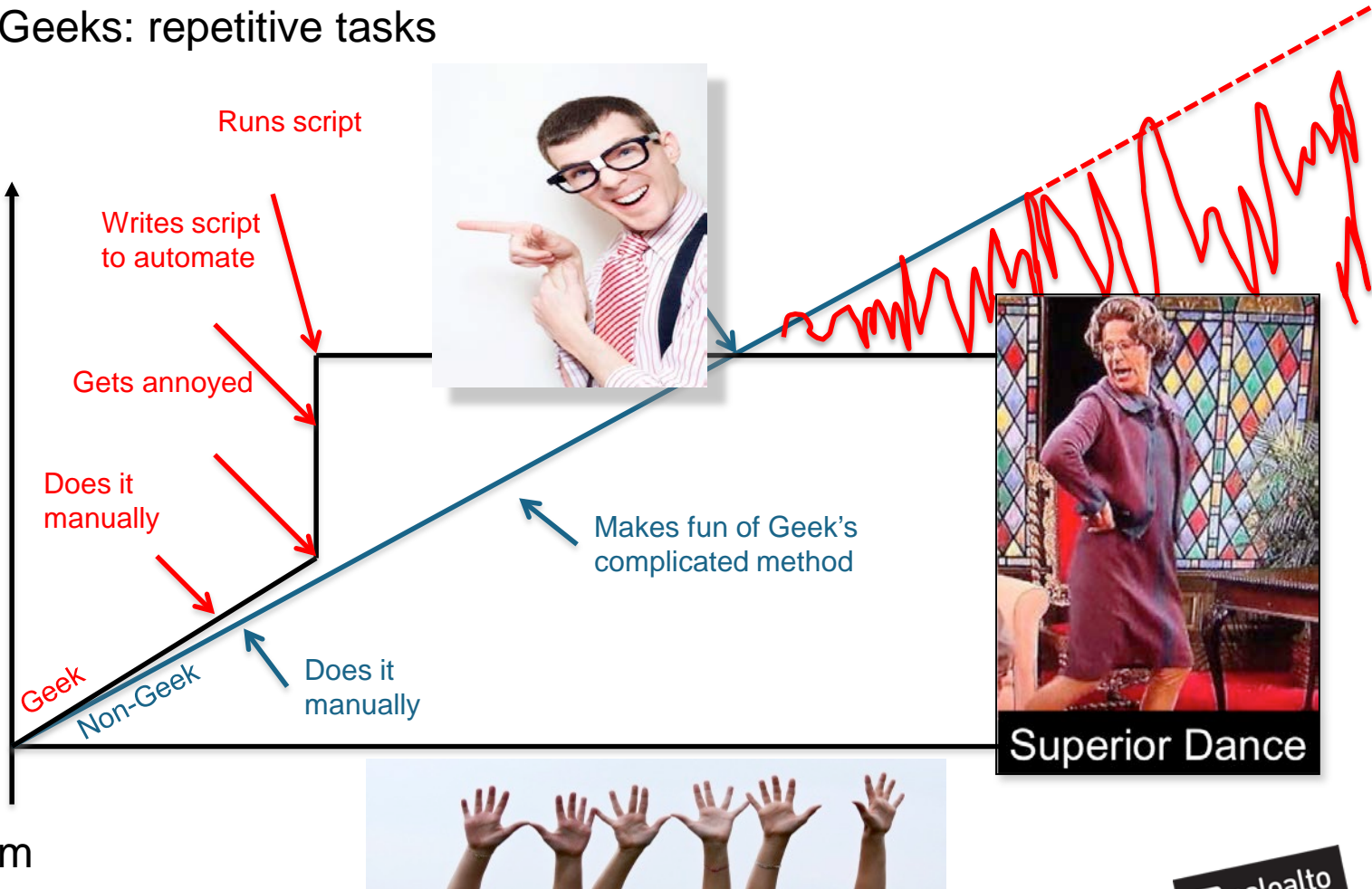


Source: Xkcd.com

Geeks vs Non-Geeks: repetitive tasks



Time Spent



Source: Xkcd.com



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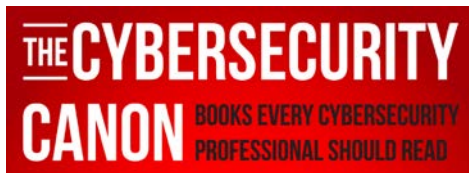
Cybersecurity Canon Project: What is it?



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**THE CYBERSECURITY
CANON** BOOKS EVERY CYBERSECURITY
PROFESSIONAL SHOULD READ

Cybersecurity Canon Project: Mission



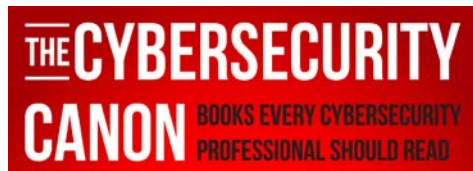
To identify a list of **must-read** books for all cybersecurity practitioners -- be they from industry, government or academia -- where the content is timeless, genuinely represents an aspect of the community that is **true and precise**, reflects **the highest quality** and, **if not read, will leave a hole** in the cybersecurity professional's education that will make the practitioner incomplete.



Cybersecurity Canon Project: Categories



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Cyber Crime

Novels

Cyber Hacktivism

Technical

Cyber History and Culture

Cyber Warfare

Did Not Make the Cut



Cybersecurity Canon Committee



Rick Howard

CSO – Palo Alto Networks

Bob Clark

Lawyer - Army Cyber Institute

Hannah Kuchner

Journalist – Financial Times

Jon Oltsik

Senior Principal Analyst - ESG

Ben Rothke

Senior eGRC Consultant Netitude

Brian Kelly

CISO - Quinnipiac University

Christina Ayiotis

Co-Chair, Georgetown Cybersecurity Law Institute

Steve Winterfeld

Director of Cybersecurity - Nordstrom

Dawn-Marie Hutchinson

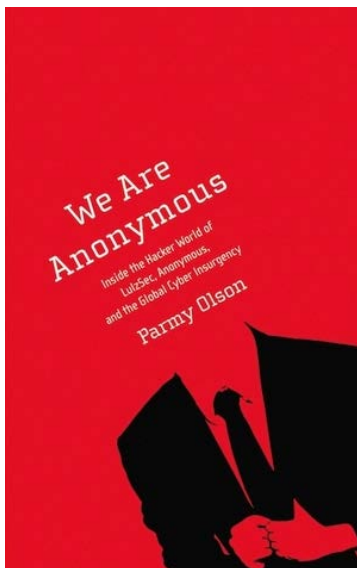
Director – Office of the CISO - OPTIV



2014 Inductee



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Parmy Olson Book Signing



2014 Inaugural Awards Ceremony



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Last Year's Inductees



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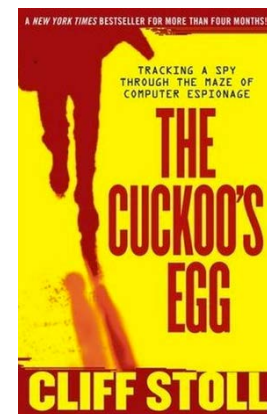
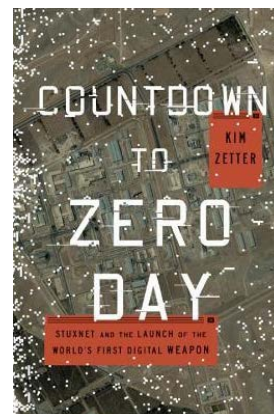
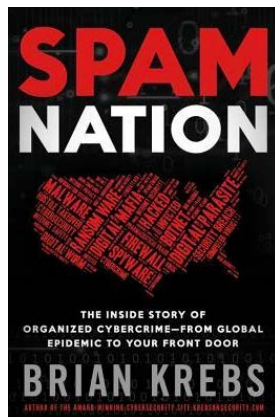


Ignite 2015 - The Cosmopolitan in Las Vegas

Last Year's Inductees



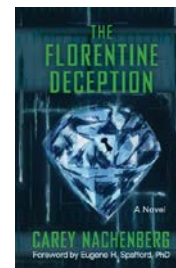
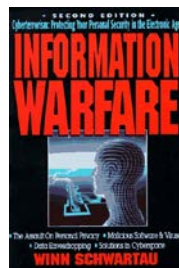
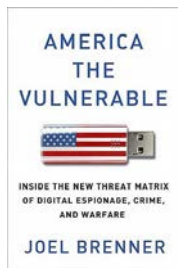
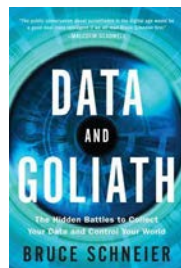
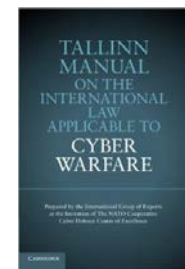
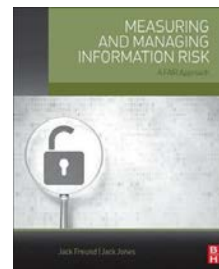
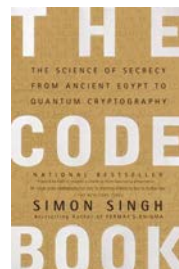
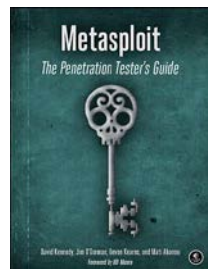
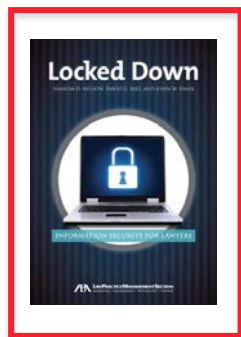
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New Candidates this year



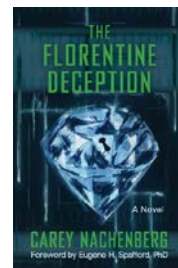
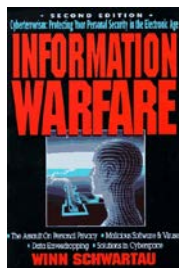
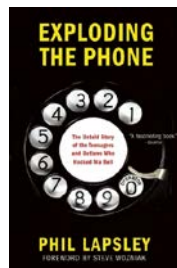
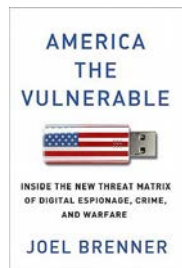
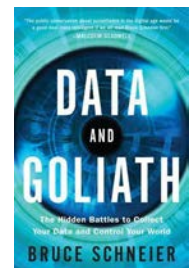
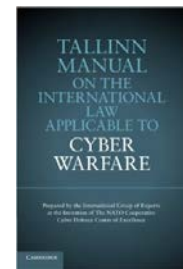
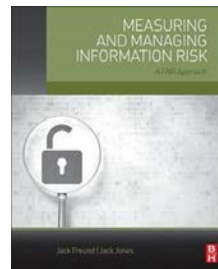
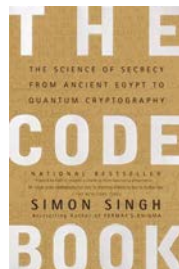
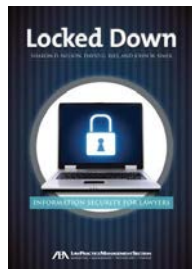
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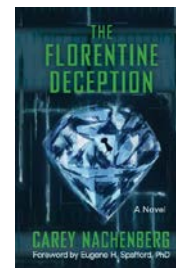
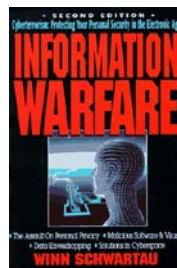
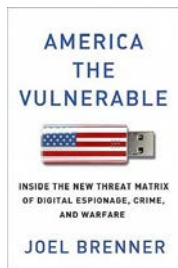
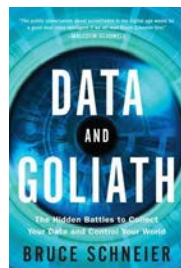
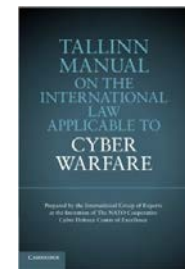
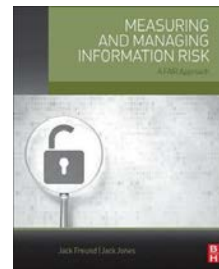
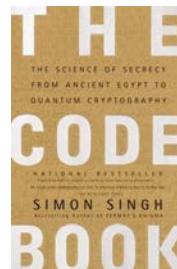
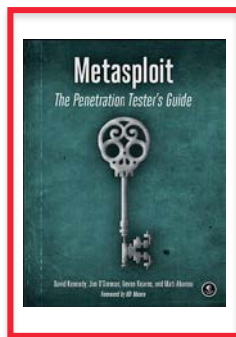
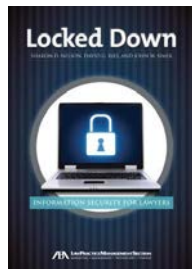


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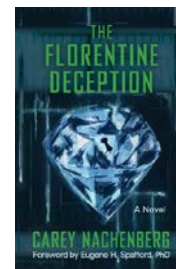
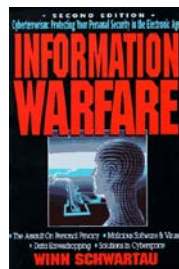
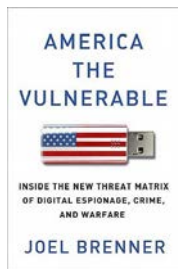
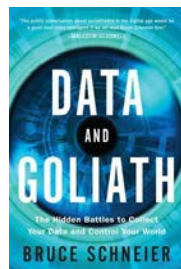
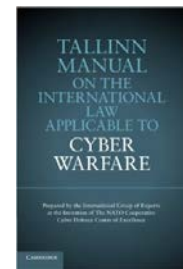
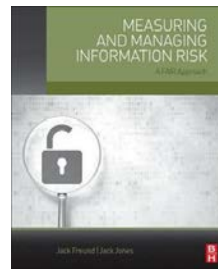
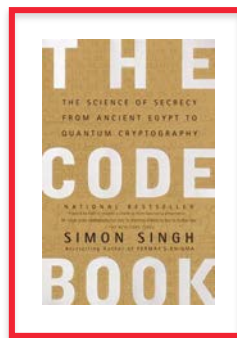
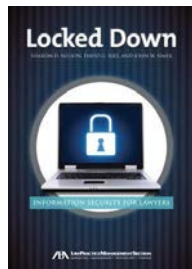


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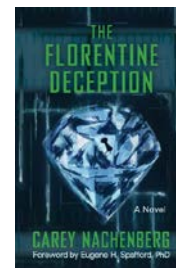
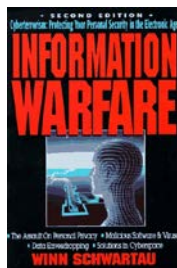
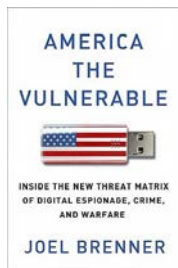
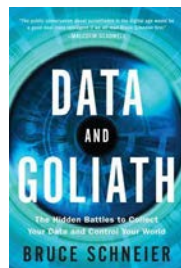
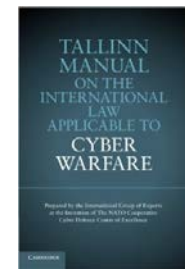
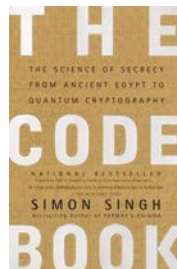
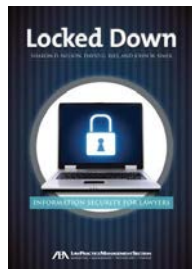
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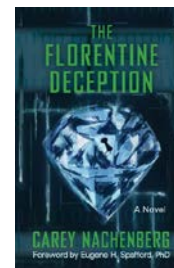
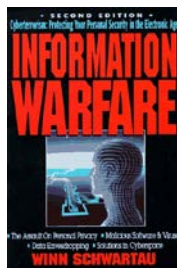
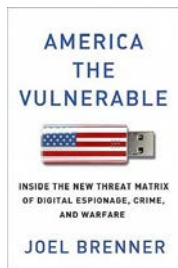
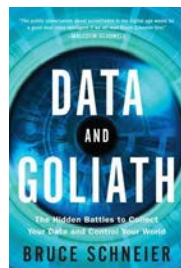
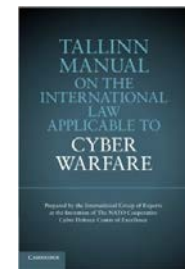
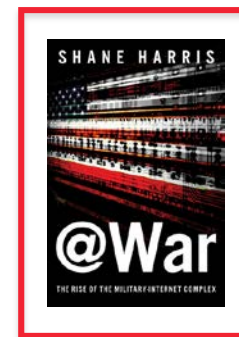
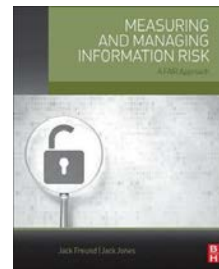
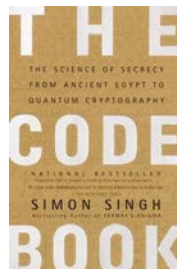
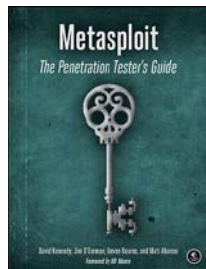
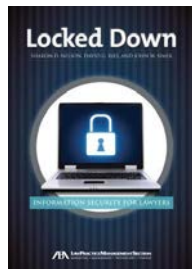
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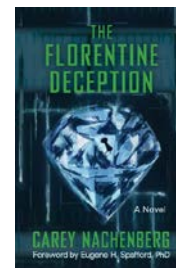
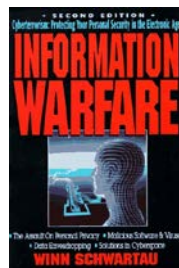
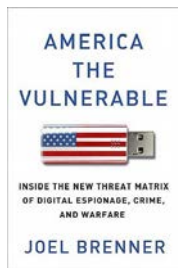
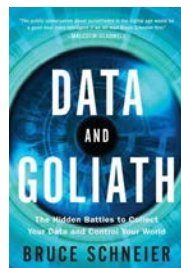
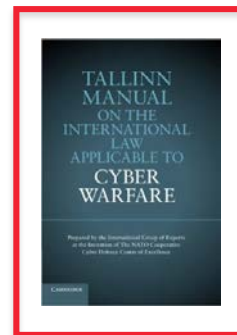
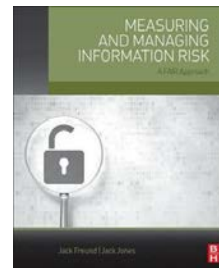
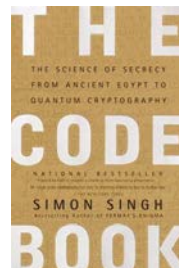
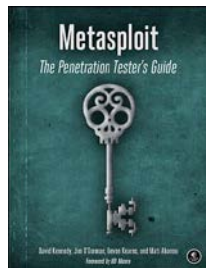
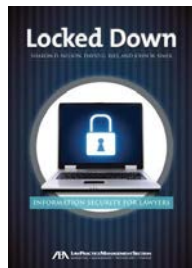


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New Candidates this year

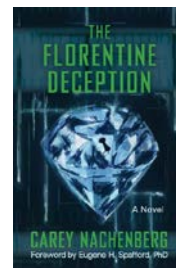
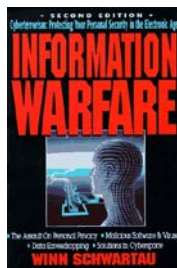
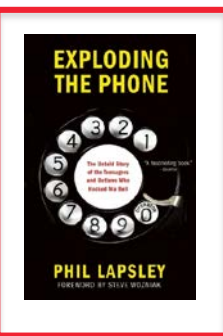
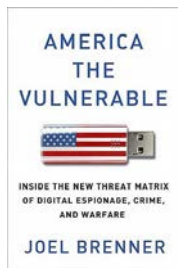
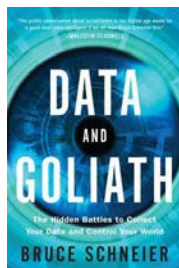
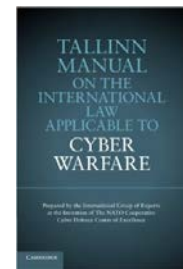
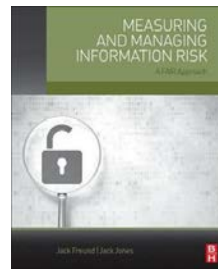
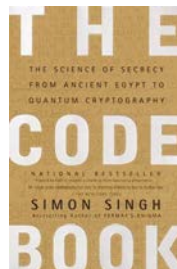
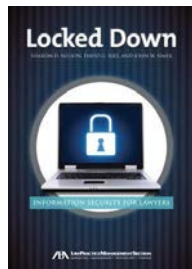
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New Candidates this year



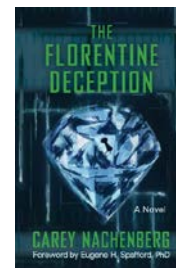
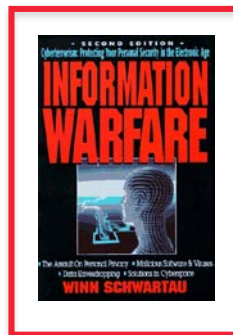
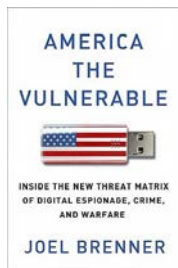
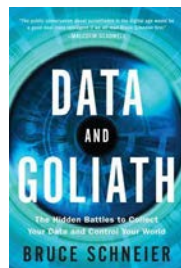
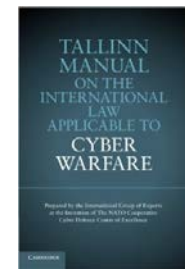
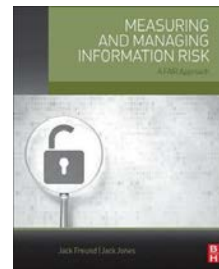
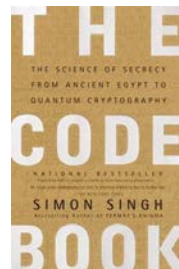
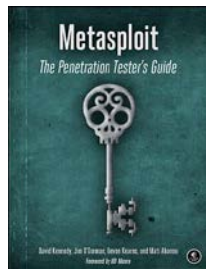
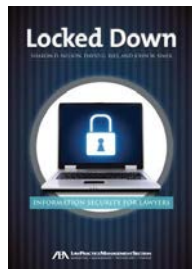
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New Candidates this year



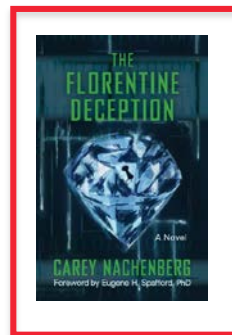
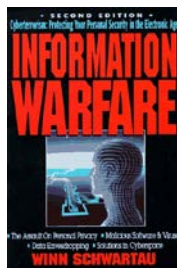
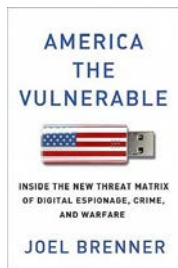
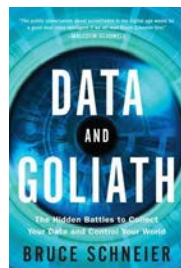
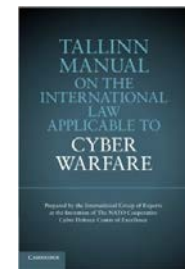
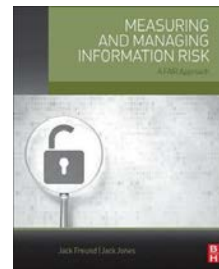
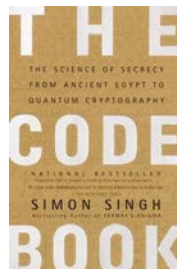
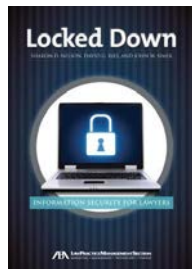
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New Candidates this year



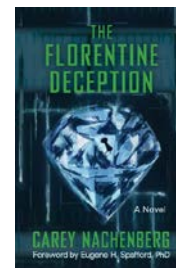
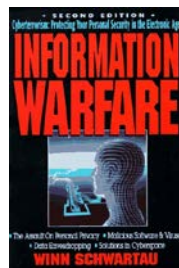
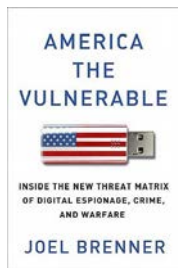
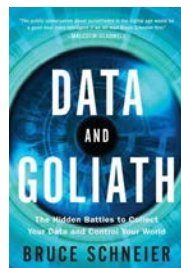
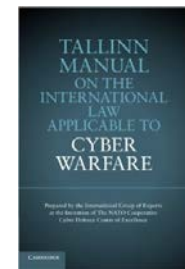
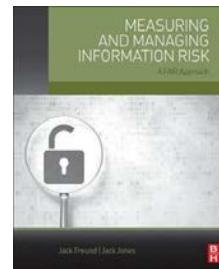
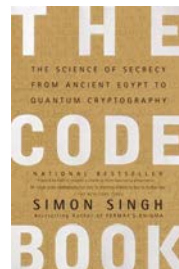
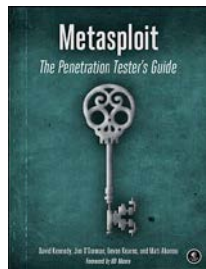
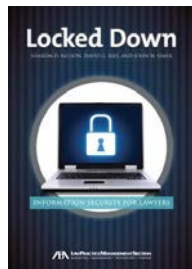
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New Candidates this year

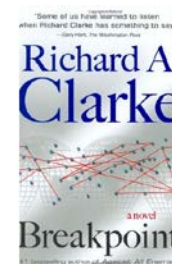
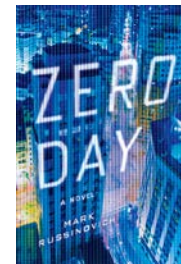
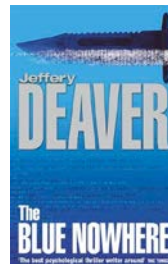
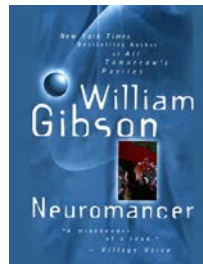
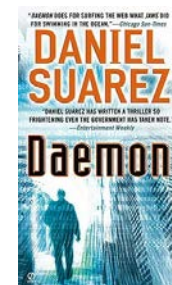
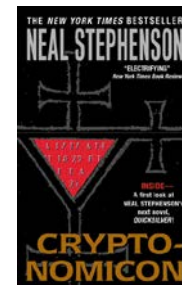
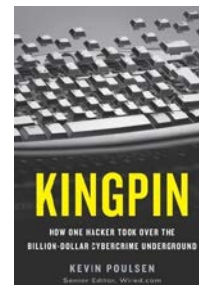
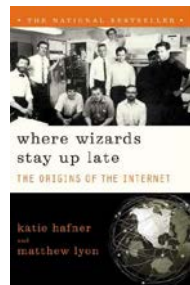
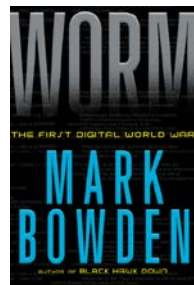
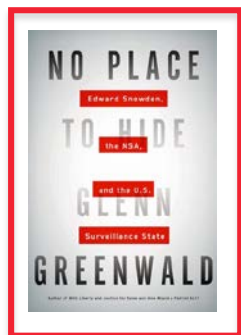


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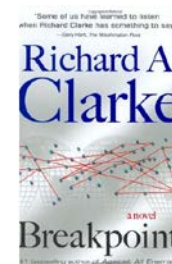
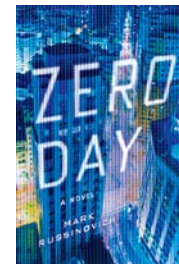
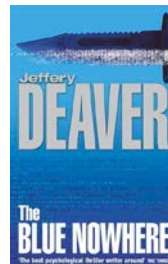
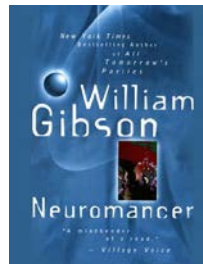
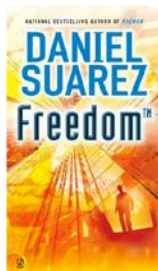
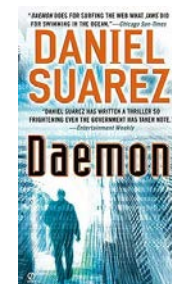
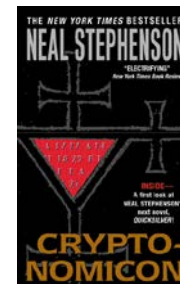
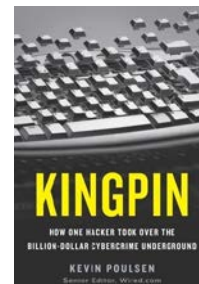
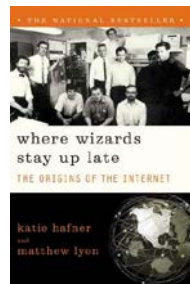
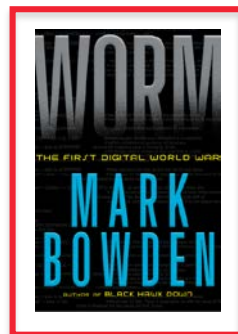
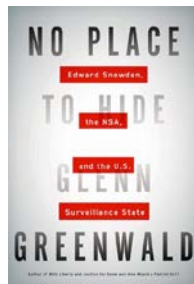
Holdovers from Last Year

#RSAC



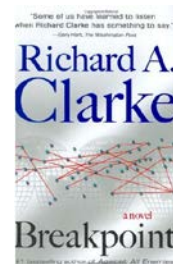
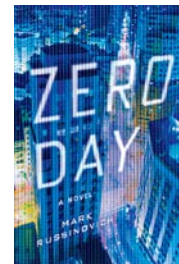
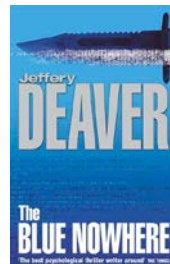
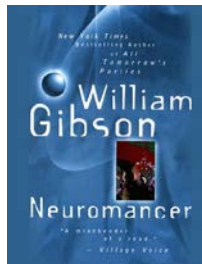
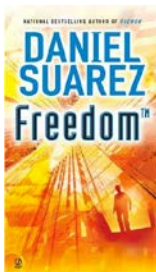
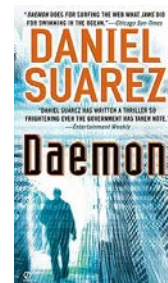
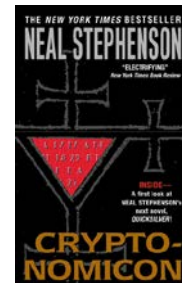
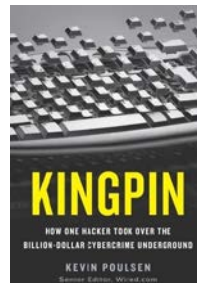
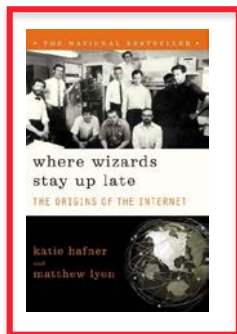
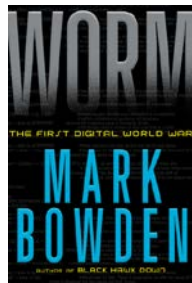
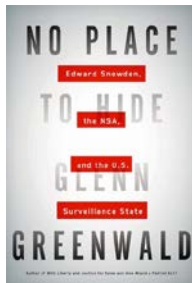
Holdovers from Last Year

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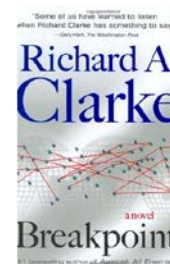
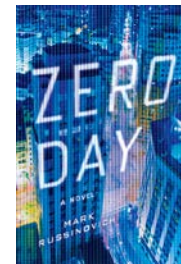
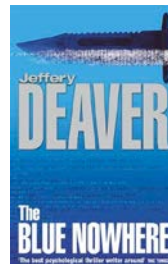
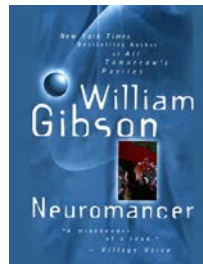
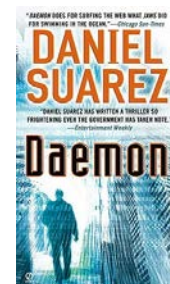
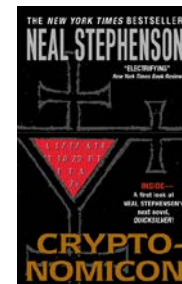
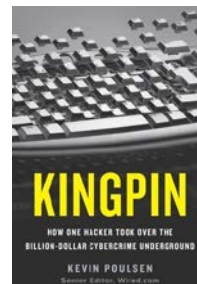
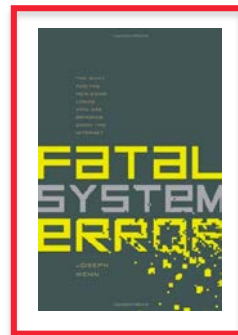
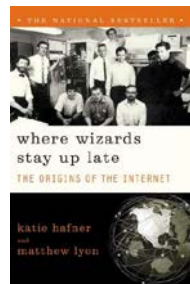
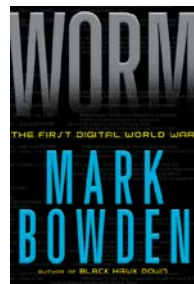
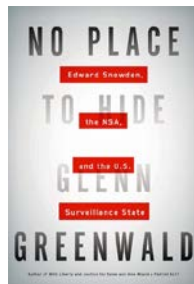
Holdovers from Last Year

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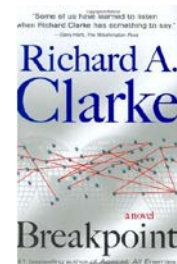
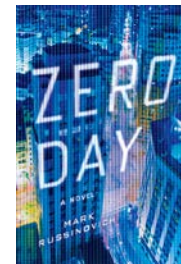
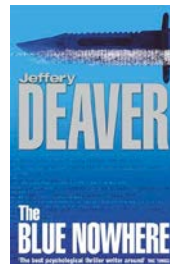
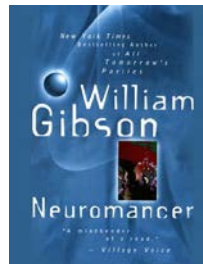
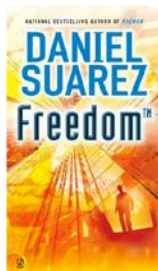
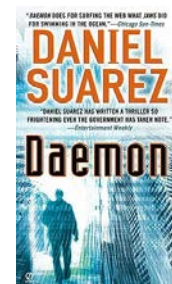
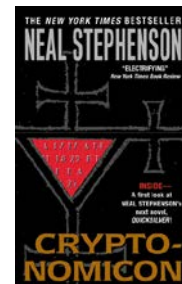
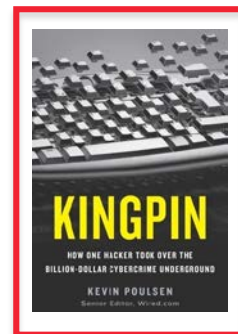
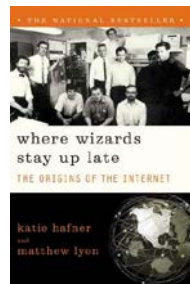
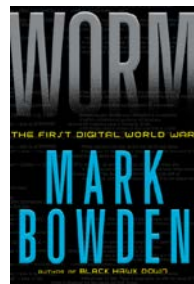
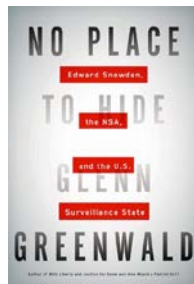
Holdovers from Last Year

#RSAC



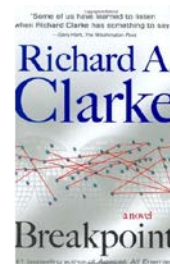
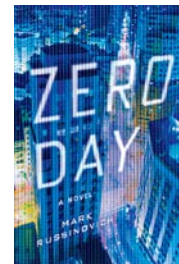
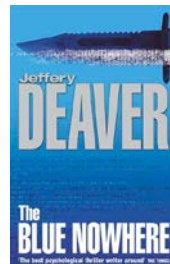
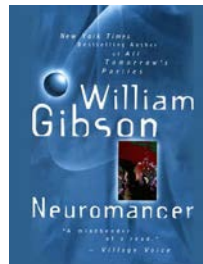
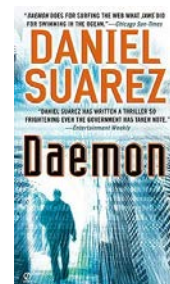
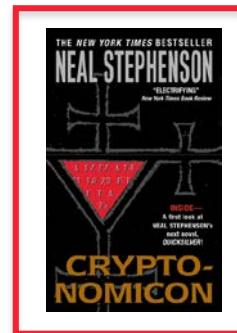
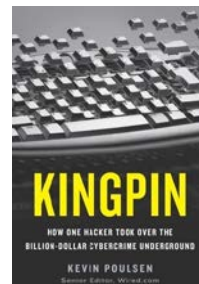
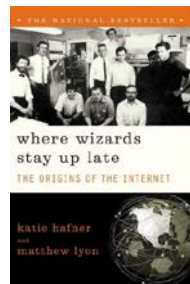
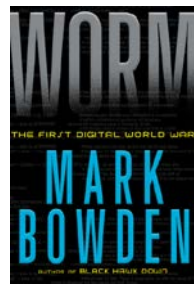
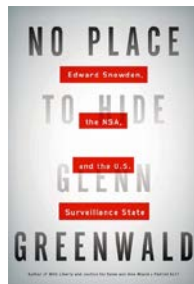
Holdovers from Last Year

#RSAC



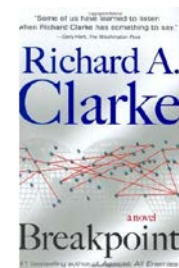
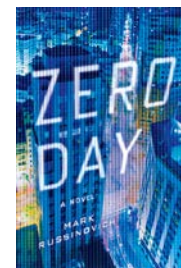
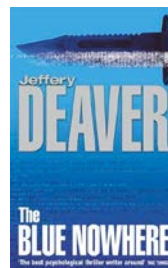
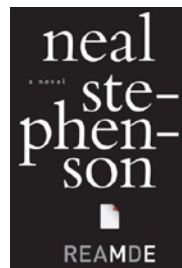
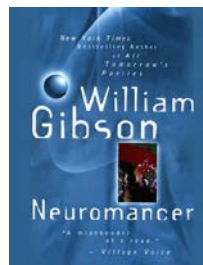
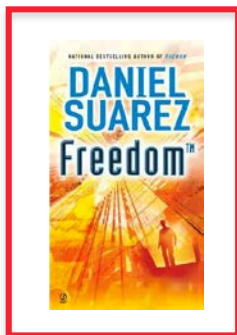
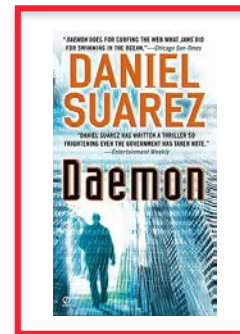
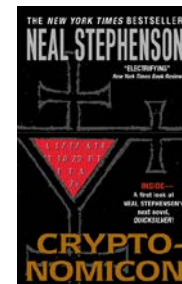
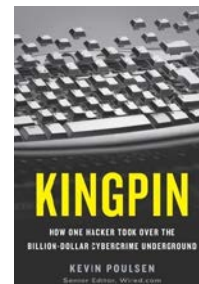
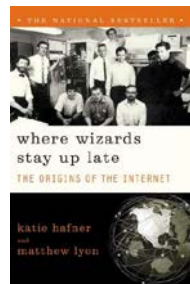
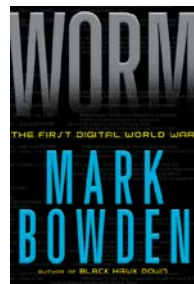
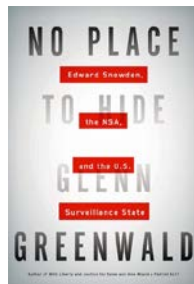
Holdovers from Last Year

#RSAC



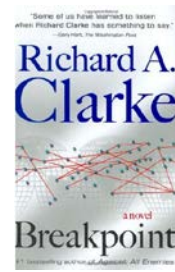
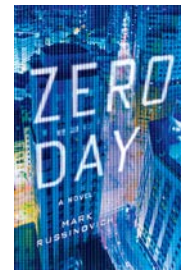
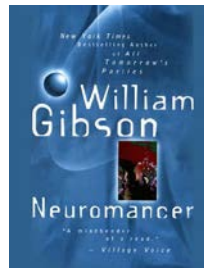
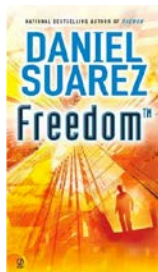
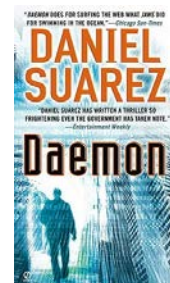
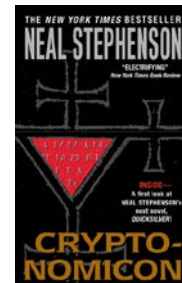
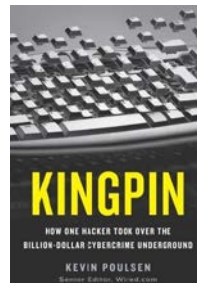
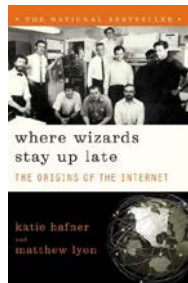
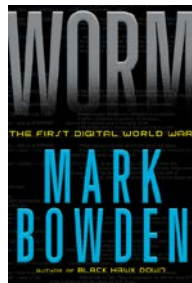
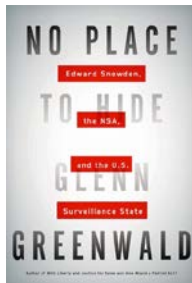
Holdovers from Last Year

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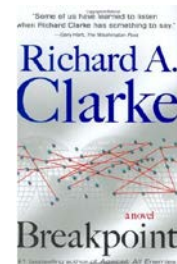
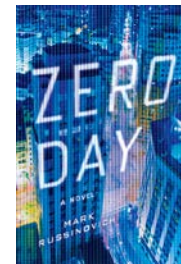
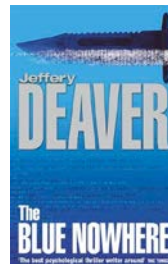
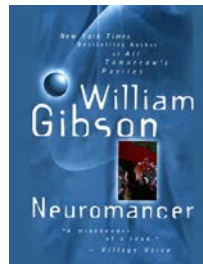
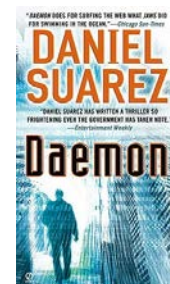
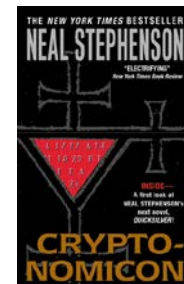
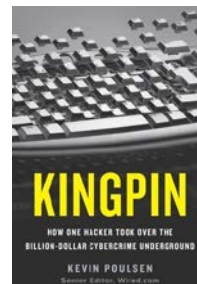
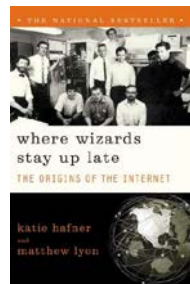
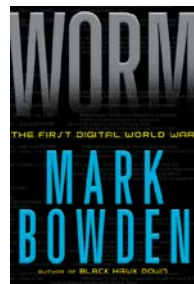
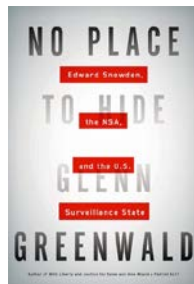
Holdovers from Last Year

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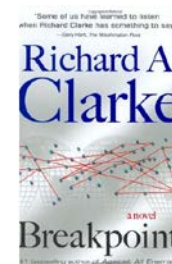
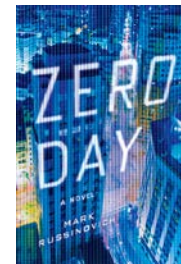
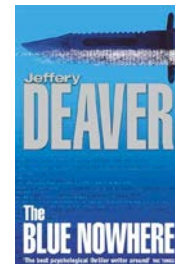
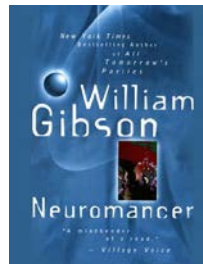
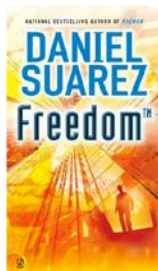
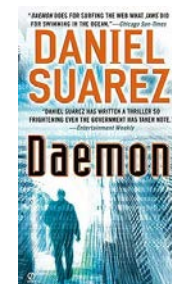
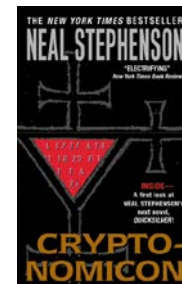
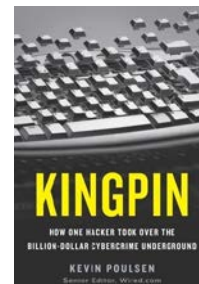
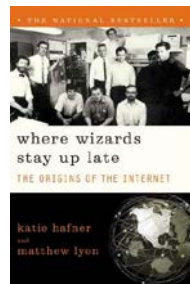
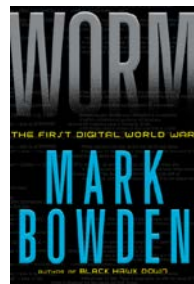
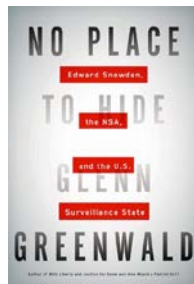
Holdovers from Last Year

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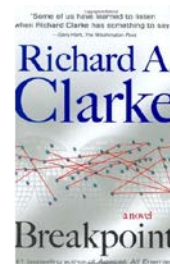
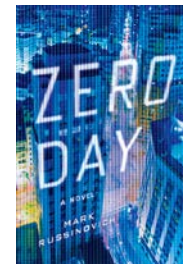
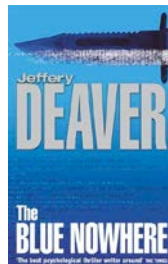
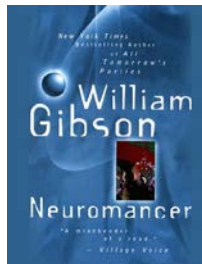
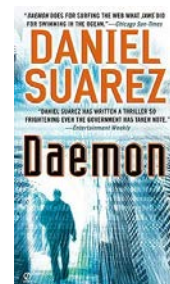
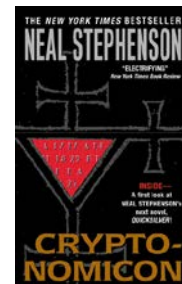
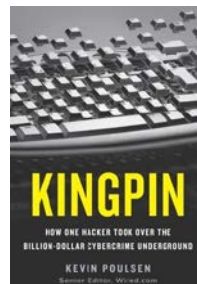
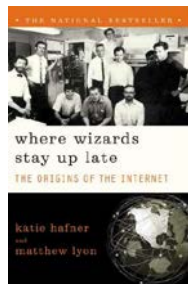
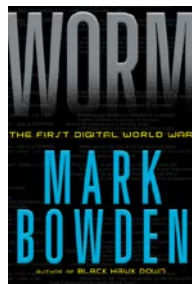
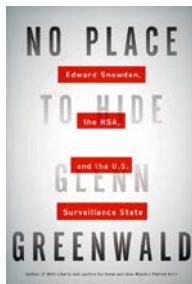
Holdovers from Last Year

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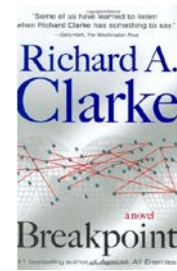
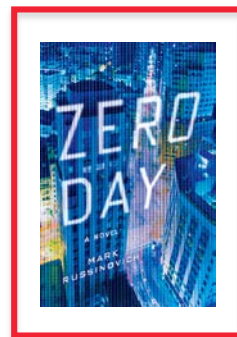
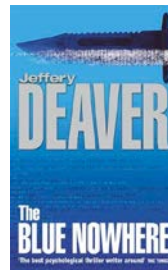
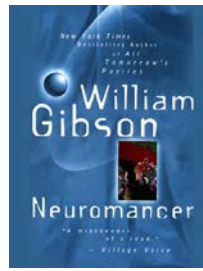
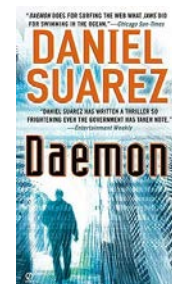
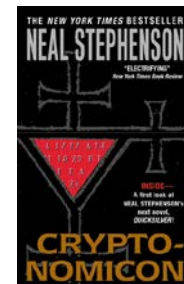
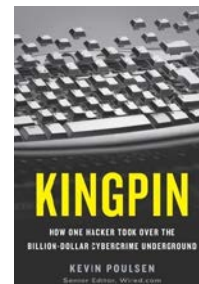
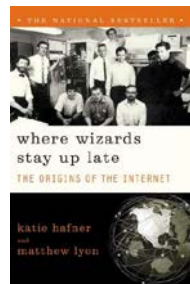
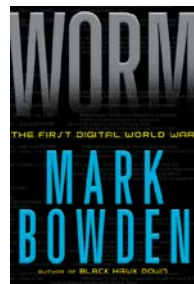
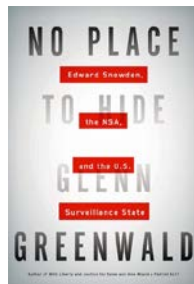
Holdovers from Last Year

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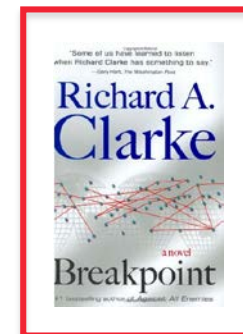
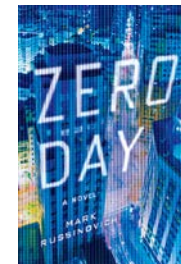
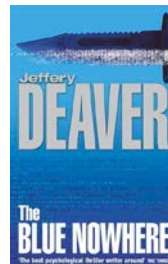
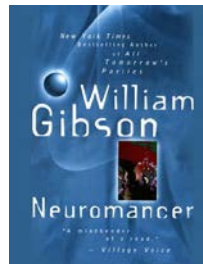
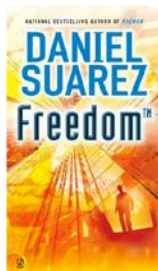
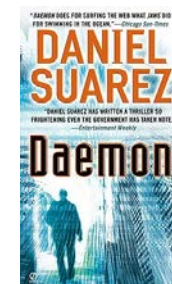
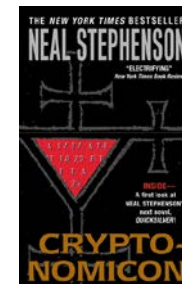
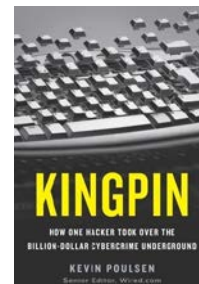
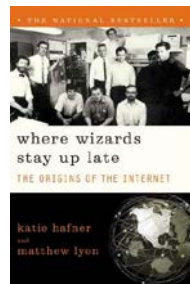
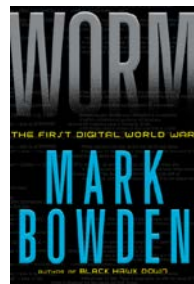
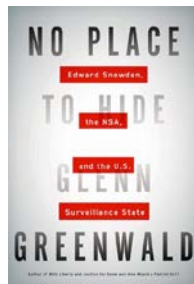
Holdovers from Last Year

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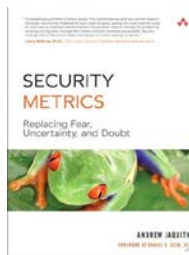
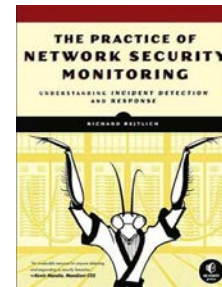
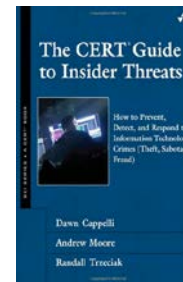
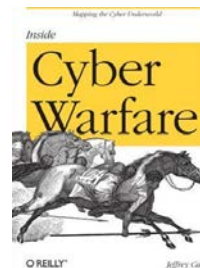
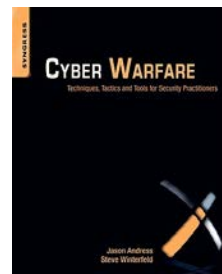
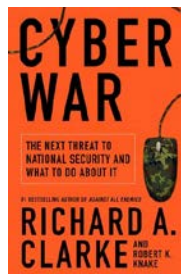
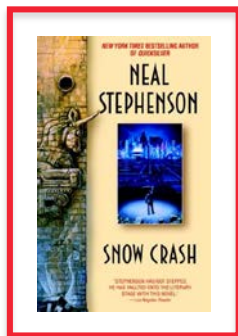
Holdovers from Last Year

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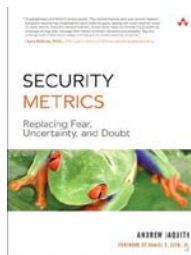
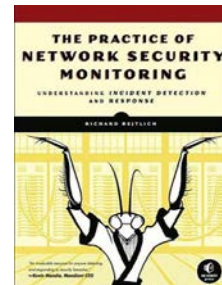
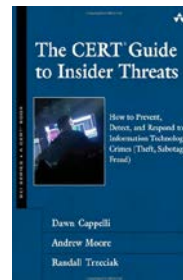
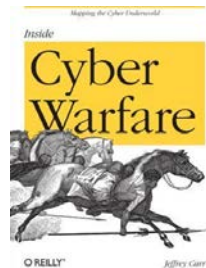
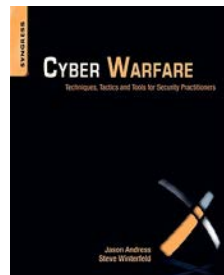
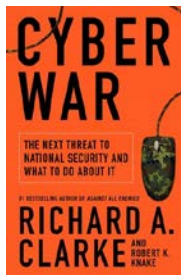
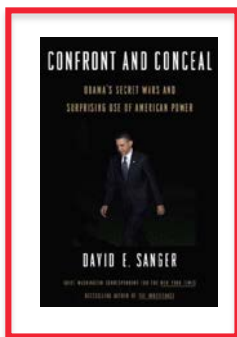
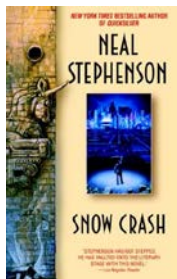
Holdovers from Last Year (cont)

#RSAC



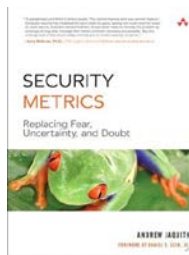
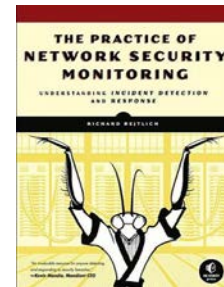
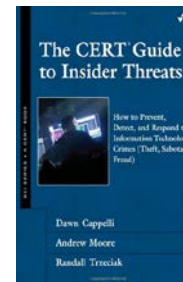
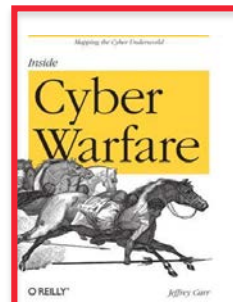
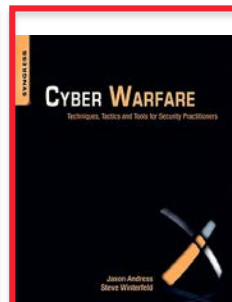
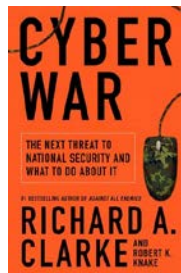
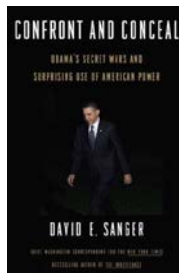
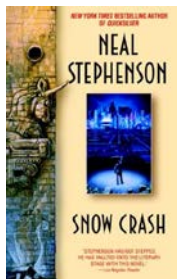
Holdovers from Last Year (cont)

#RSAC



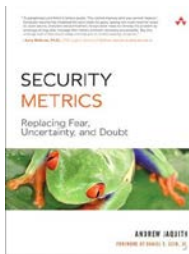
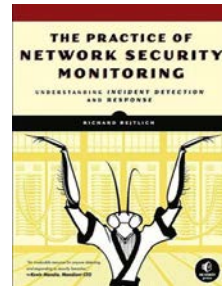
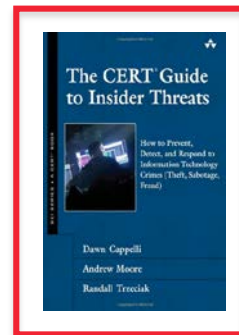
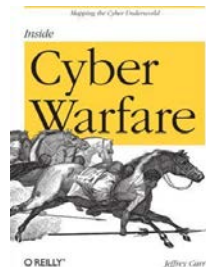
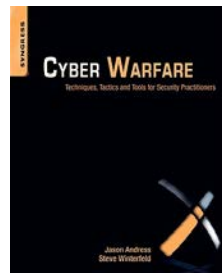
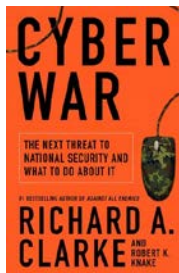
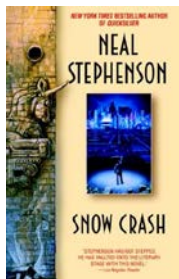
Holdovers from Last Year (cont)

#RSAC



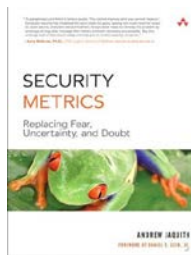
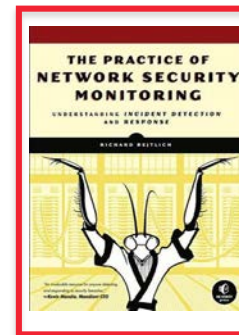
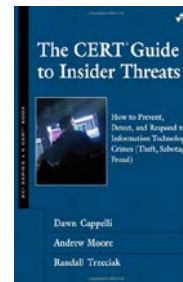
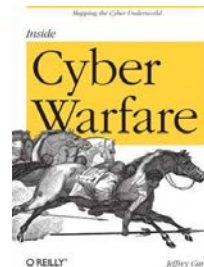
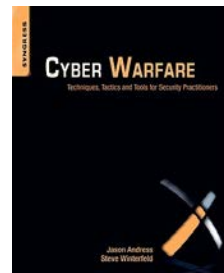
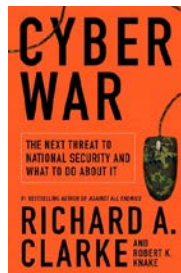
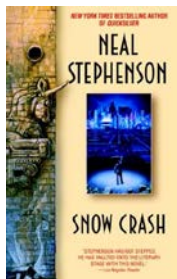
Holdovers from Last Year (cont)

#RSAC



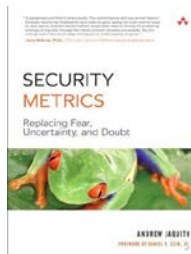
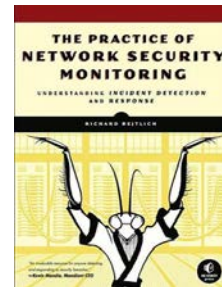
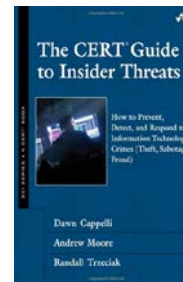
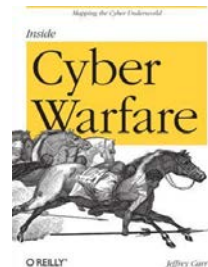
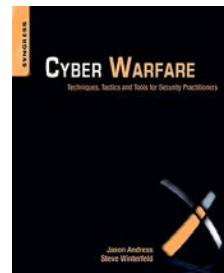
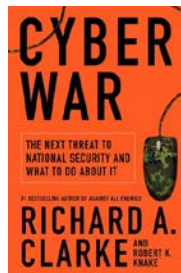
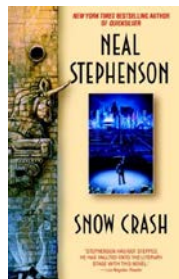
Holdovers from Last Year (cont)

#RSAC



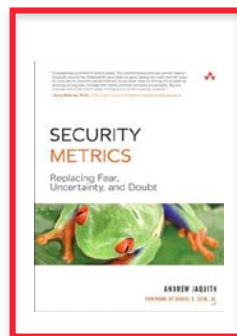
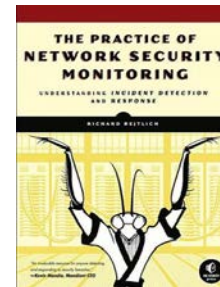
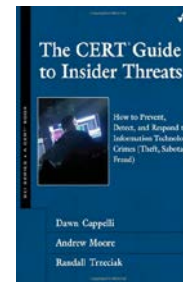
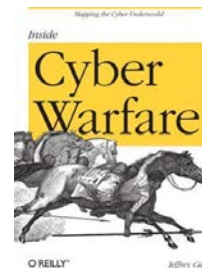
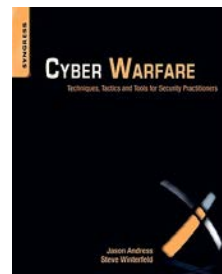
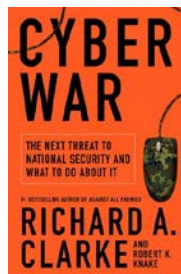
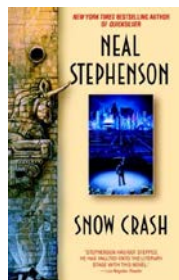
Holdovers from Last Year (cont)

#RSAC



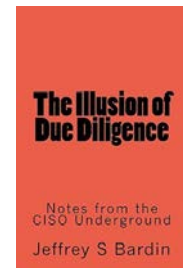
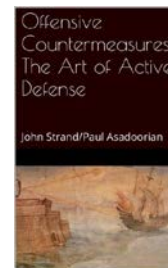
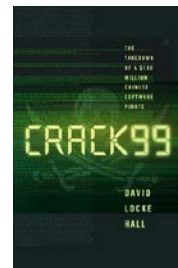
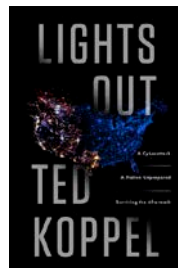
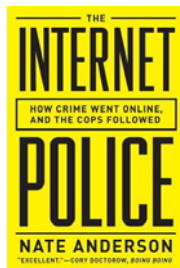
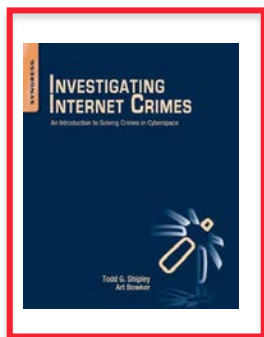
Holdovers from Last Year (cont)

#RSAC



Books that Missed the Cut

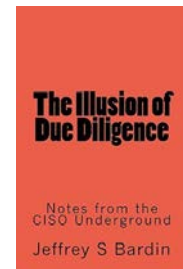
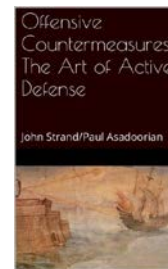
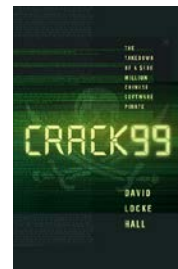
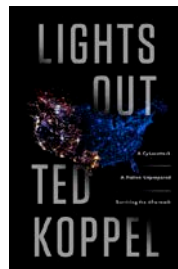
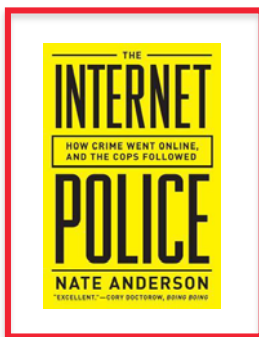
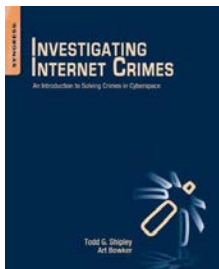
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Books that Missed the Cut

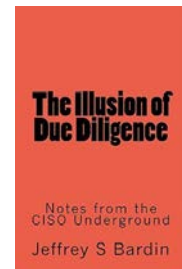
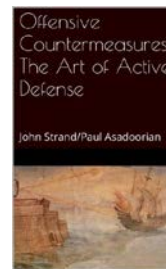
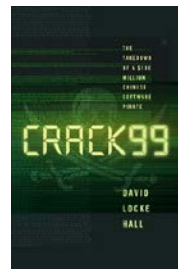
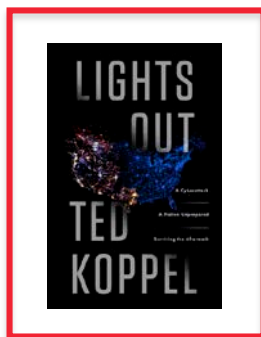
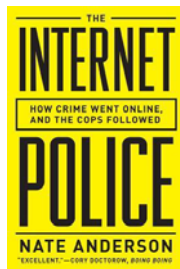
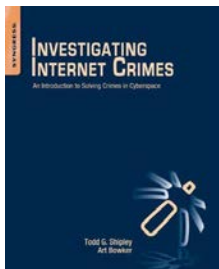


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Books that Missed the Cut

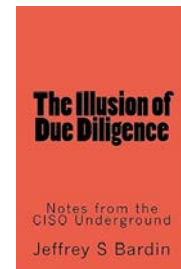
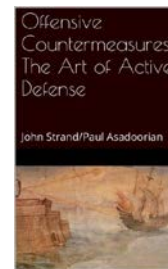
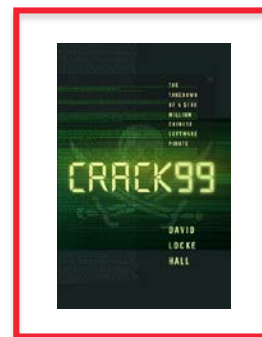
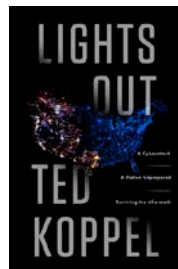
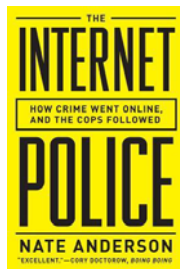
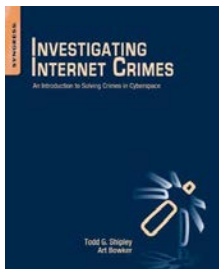
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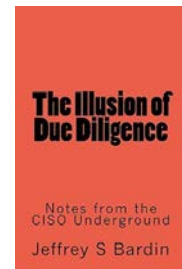
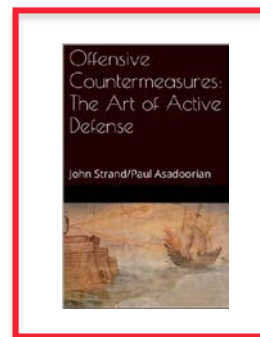
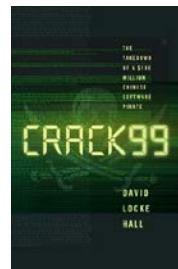
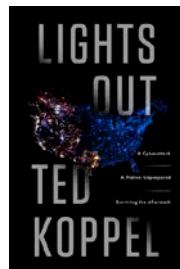
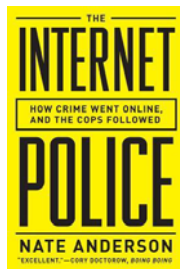
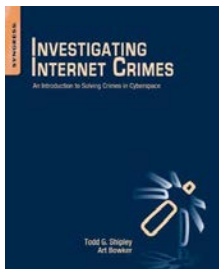


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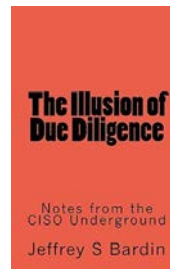
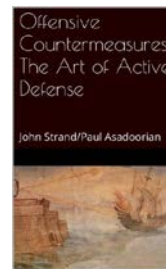
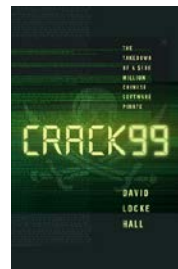
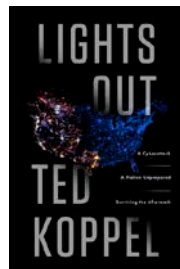
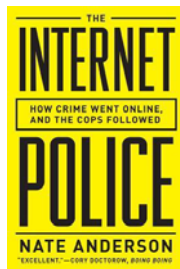
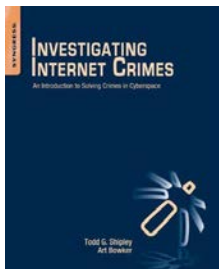
Books that Missed the Cut

#RSAC



Books that Missed the Cut

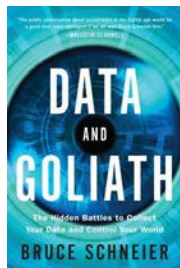
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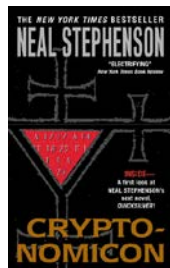
March Madness 2016 – Third Week



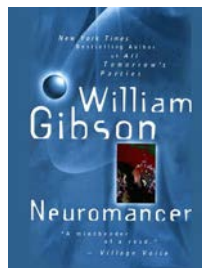
<https://www.paloaltonetworks.com/threat-research/cybercanon.html>



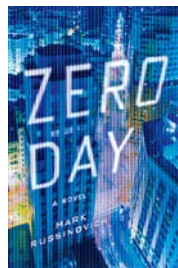
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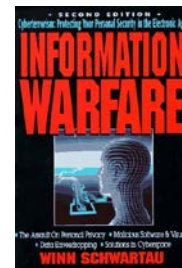
VS



VS



VS



Apply What You Have Learned Today



Next week you should:

Apply What You Have Learned Today



Next week you should:

- Go to the Canon Website and read some of the reviews.

Apply What You Have Learned Today



Next week you should:

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- Tell all of your friends about this community project.

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In the next three months:

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In the next three months:

- Consider writing a book review of your favorite book.

Apply What You Have Learned Today



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- Consider becoming a committee member for the 2017 season.

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Questions?



<https://paloaltonetworks.com/threat-research/cybercanon.html>



<https://paloaltonetworks.com/threat-research.html>



<http://cyberthreatalliance.org/>

Rick Howard: CSO Palo Alto Networks

Twitter: @raceBannon99





Backup

