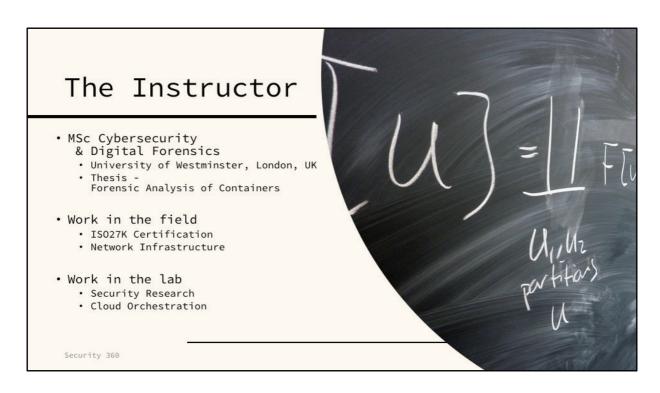
Welcome to Cybersecurity 360°

The next three weeks



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The vision of ASCLEPIOS is to maximize and fortify the trust of users on cloud-based healthcare services by developing mechanisms for protecting both corporate and personal sensitive data. While researchers have developed many theoretical models that could enhance the security level of healthcare services, only a rudimentary set of techniques are currently in use. ASCLEPIOS is exploiting this gap by using by utilizing several modern cryptographic approaches to build a cloud-based eHealth framework that protects users' privacy and prevents both internal and external attacks.

#CyberSecurity Modern Fa #AttributeBasedEncryption #SymmetricSearchableEnd #SGX. The paper https://t.co/iYIHRD31Ht by

Alexandros Bakas and Ant Security 360 Michalas, just got accepted SecureComm'19, 23-25 Oc

https://www.asclepios-project.eu/

The Books

CompTIA Security+ SY0-501 Darril Gibson

All-in-One CISSP Shon Harris, Fernando Maymi

Online (FREE)

Security Engineering Ross Anderson SECURITY
Get Certified Get Ahead
ST-0-01 Study Quide

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Security 360

The Evaluation

- Week 1:
 - In-class exercises
- Week 2:
 - Mid-term Written
- Week 3:
 - Group Presentation

Security 360

The Content

- Week 1:
 - Introduction to Security

 - CryptographyNetwork Engineering
- Week 2:Data PolicyRed Teams

 - The Business of Security
- Week 3:
 - Blue Teams
 - Forensics
 - Jobs & Pathways

Security 360

Cryptography

- All things:
 - Code
 - Key
 - Cipher
 - Encryption
 - Hash
 - Signature
 - Currency
 - Blockchain
 - And more...

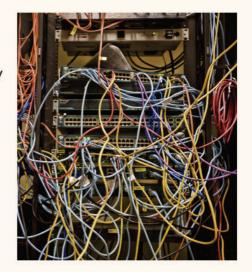


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<u>"Enigma Crypto Machine"</u> by <u>Latente "Www.latente.it</u> is licensed under <u>CC BY-SA 2.0</u>

Networks

- The Cyber of Cybersecurity
- An intro to networking & the internet
- Scanning & Sniffing



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<u>"Their dream is your nightmare."</u> by <u>david takes photos</u> is licensed under <u>CC BY-NC 2.0</u>

Cyber Security (in practice)

- Red Teams
 - Passive gathering
 - Attack vectors
 - Pen testing
 - Exploit development
- Blue Teams
 - Logs
 - Patches
 - Honeypots
 - Intrusion Detection



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Business of Security

- Policy management
- Work culture
- GDPR



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Digital Forensics

- Data recovery
- Mobile phone forensics
- Network forensics
- Laws



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<u>"Erasing a Hard Disk"</u> by <u>IBM Research</u> is licensed under <u>CC BY-ND 2.0</u>



Disclaimer

- Different colours of hatsWhite, Grey, Black
- Pick your colour responsibly



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