Get Set

for a better tomorrow

MAYOR OF LONDON

Skills Bootcamp in Cyber Security Learner Journey.

Week 1

Foundations of cyber security
- Learn core cyber security concepts
- Consequences and implications
- Core terminology
- Learn what Good/Bad actors are and how they impact cyber security

Week 2

Threats and vulnerabilities
- Threats, exploits and risks
- Key sectors that need protection
- Threat intelligence lifecycle
- Open-source intelligence and data reliability
- Threat model and analysis and evaluation

Week 3

Malicious software
- Types of malicious software and how they work, motives behind them, human factors involved
- Social engineering

Week 4

Detection and response
- Learn about creating and incident postmortem
- Incident response lifecycle
- Learn about ISO standards

Week 5

Testing and controls
- Learn about different types of cyber security testing
- Learn about different cyber security frameworks
- Learn how to apply cyber security controls

Week 6

Web application security
- Common attacks against web applications
- Broken access controls
- Identification and authentication failure
- Cryptography failures

SKILLS FOR LIFE

SKILLS BOOTCAMPS

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Week 7

Operating system security
- C.I.A
- Authentication and passwords
- File permissions
- Malicious programmes

Week 8

Network security
- Cyber Kill Chain
- Intrusion Prevention System (IPS)
- Virtual Private Network (VPN)
- Intrusion Detection System (IDS)

Week 9

Digital forensics
- Digital forensics process
- Forensic Artifacts
- Public-sector investigations
- Private-sector investigations

Week 10

Security operations center (SOC)
- Purpose of SOC
- SOC Services

Week 11 & 12

Project week and employability
- A cyber security project to include different cyber security protocols
- CV support
- Interview techniques
- Cyber careers