Cyber Warriors: A Comprehensive Introduction to Cybersecurity Tools and Techniques

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Cybersecurity Education & Career
Beyond CyberWarriors – Pre-College

• **So, I completed the CyberWarriors camp – What next?**

• **You could install** your own Kali Linux VM and **continue learning** about Linux and new Kali tools!

• **Remember**: A good security professional always has a **complete, updated and customized toolkit** with which he/she is well averse!

• **Research** about **upcoming attacks** and vulnerabilities – keep up to date with new developments in the field of cybersecurity.

• **Take high-school courses** in computer science, Information Technology and cybersecurity.

• Every time you log into your computer, use a new application or purchase a new tech gadget, **think about cybersecurity**!
Beyond CyberWarriors – College

- **So, I completed high school – What next?**

- Find appropriate University/Programs in Cybersecurity.
  - UTSA has some excellent programs in Cybersecurity.
- **Apply** for appropriate scholarship opportunities:
- Be **careful** which program you sign up for:
  - Programs in Computer Science and Engineering departments are foundational and technical.
  - Programs in Information System and Business departments are applied and business-focused.
- Take **core** cybersecurity, networking, programming and systems classes **early**.
  - This allows you to take some advanced classes on new topics in the senior year!
- Get involved in cybersecurity related **Senior Design projects**.
- Find cybersecurity-related **internships** with companies and government labs.
Beyond CyberWarriors – Post-College

• So, I completed college – What next?

• Find the right job!
  • Government Agencies (NSA, DOD, DHS).
  • Companies (Microsoft, Amazon, Apple, Google).
  • Educational and Non-profits.
  • Complete certifications: CompTIA Security+.

• Interested in research?
  • Graduate school and doctoral studies.

• Continue being engaged with the white-hat hacking and penetration testing communities:
  • Attend conferences (cons): Blackhat, Defcon, etc.
  • Attend/give seminars and talks.
Questions