

Getting Started with Security Challenges



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What is a CTF

- “Capture the Flag”
- Flag is usually a piece of text
- A variety of CTF formats
- Are a fun and exciting way to practice and learn important skills



Attack/Defense CTF

- Competitors are given a set of machines
- Machines contain flags
- The goal of the game is to defend your own machine while attacking other competitors to steal flags
- This tends to be more of a higher level competition

CTF Jeopardy Style

- Very common and tend to be more laid back
- Like Jeopardy each problem is assigned a point value
- Get the most points to win
- Flags tend to be piece of text
- Problems tend to be split in categories
 - Ex: Cryptography, Forensics, OSINT, etc
- Very beginner friendly

Examples

- NCL
- PicoCTF
- Pwn2Win



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CYBER SKYLINE 



How to start

- ctftime.org
 - lists of tons of ctfs
 - can be used to keep track of ctfs
 - the go to place for listing ctfs
- How to start
 - try out some jeopardy ctfs
 - picoctf is a good starting choice

Advice

- Remember they are all solvable
- Never give up
- Google is you best friend

Why you should play

- Most of them are free
- Really great learning experience and a way to practice skills
- Swag
- It's fun!

CTFs to look out for

CyberSecurityRumble CTF - this weekend (<https://cybersecurityrumble.de/>)

Cryptoverse CTF - Nov 19 (<https://cryptoversectf.tk/>)

Google CTF - Summer

Sans Holiday Hack - Winter

If you need help finding a team feel free to use the #ctf channel in our discord

<https://play.picoctf.org/practice>

Web Exploitation: Scavenger Hunt

General Skill: Glitch Cat

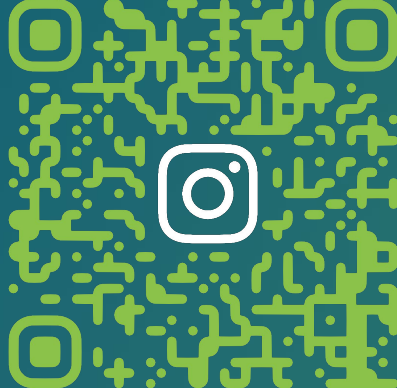
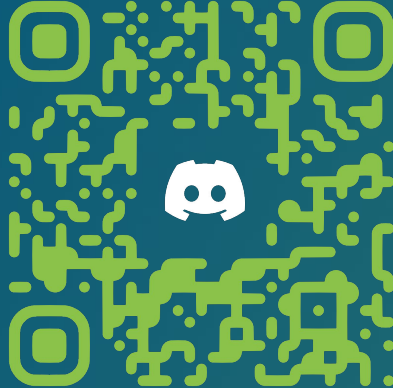
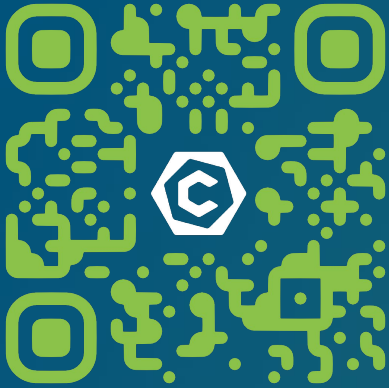
Forensics: Enhance!

Welcome Week Cyber Challenges

ctf.cyberuci.com

Feel free to ask for help in our discord channel

Questions?



Thank You

