



# HackPack

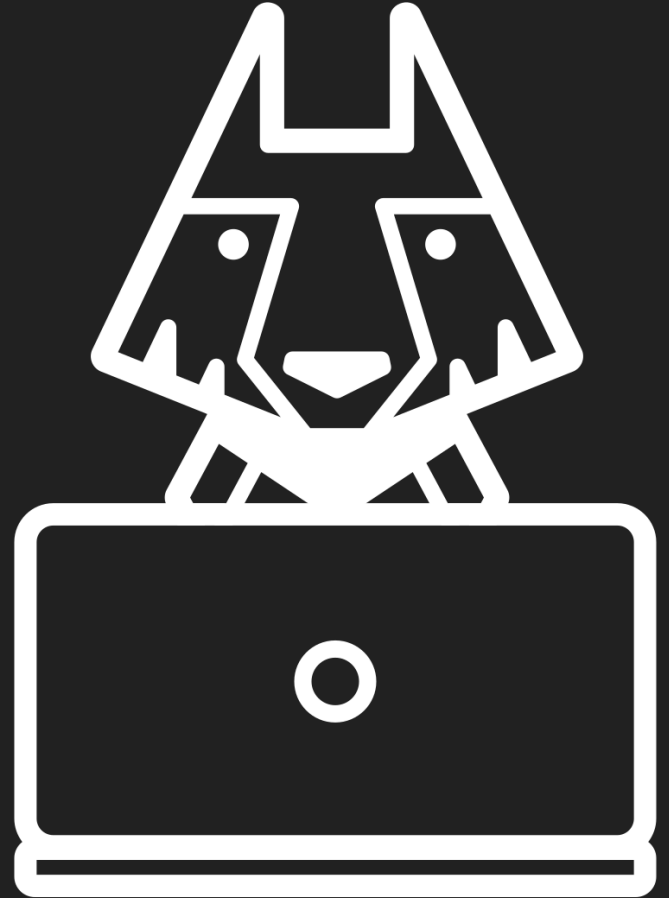
Who am I?



HackPack

# What is HackPack?

- Student group with interest in security
- Learn new security-related skills
- Practice your skills in CTFs
- Have fun!



# What's a CTF?

- Capture the Flag
- Security-related competition
- Two formats:
  - Jeopardy
  - Attack/Defense
- Solve security challenges for points!
- Contained environment to exercise your security skills
- Fantastic way to learn about security problems in practice



# DEF CON 26 CTF

- The largest, oldest and most l33t CTF in the world
- OOO team organized it this year (and for the next couple years at least)
- Winners get
  - 8 DEF CON black badges
  - 8 DEF CON leather jackets
  - Eternal glory
- Quals in May -> 586 teams
- Finals in August -> 24 teams
- DEF CON attracts ~30,000 people every year...



# DEF CON 27 CTF

- Quals -> 1200+ teams
- Finals -> 16 teams
- The highest scoring DEF CON CTF of all time on ctftime 96/100

## DEFCON CTF finals 2019 (whole game)

service milestones		attack stats	
game started on : August 9th, 2019 9.00 AM		rounds played : 241	
firstblooded in : 6 days, 17 hrs, 31 min, 2 sec		flags stolen : 6772	
firstblood team : HITCONxBFKinesis		teams pwning : 16	
game ended on : August 11th, 2019 1.00 PM		teams pwned : 16	
round progress		patch stats	
last round : 242		attempted : 591 patching attempts	
network cut at : 13:00:00		functional: 255 patches deployed	
service progress		what is this thing?!?	
ooo now : checking it's still up		A real, live attack/defense CTF game Olympics of Hacking, since 1996!	
patch rule : 000 policy			
pcaps : (service by service)			
indicator : awesome!			
total pwns / global score		brought to you by	
A*0*E : 510 / 564		the sleep-deprived	
CGC : 106 / 110		Order of the Overflow	
HITCONxBFKin : 1006 / 772		want to play?	
hxp : 8 / 67		<a href="https://ooverflow.io">ooverflow.io</a>	
KaisHack GoN : 2 / 281		keep being awesome!	
mhackeroni : 656 / 556			
PPP : 1442 / 972			
r00timetary : 499 / 358			
r3kapiG : 131 / 284			
saarsec : 292 / 234			
Samurai : 646 / 398			
Sauercloud : 114 / 375			
Seoul+BadAss : 339 / 331			
Shellphish : 109 / 284			
TeaDelivrers : 815 / 589			
TokyoWestrns : 96 / 214			
every team both pwned and was pwned			
[rtc0: 07:12]			

[rtc0: 07:12]







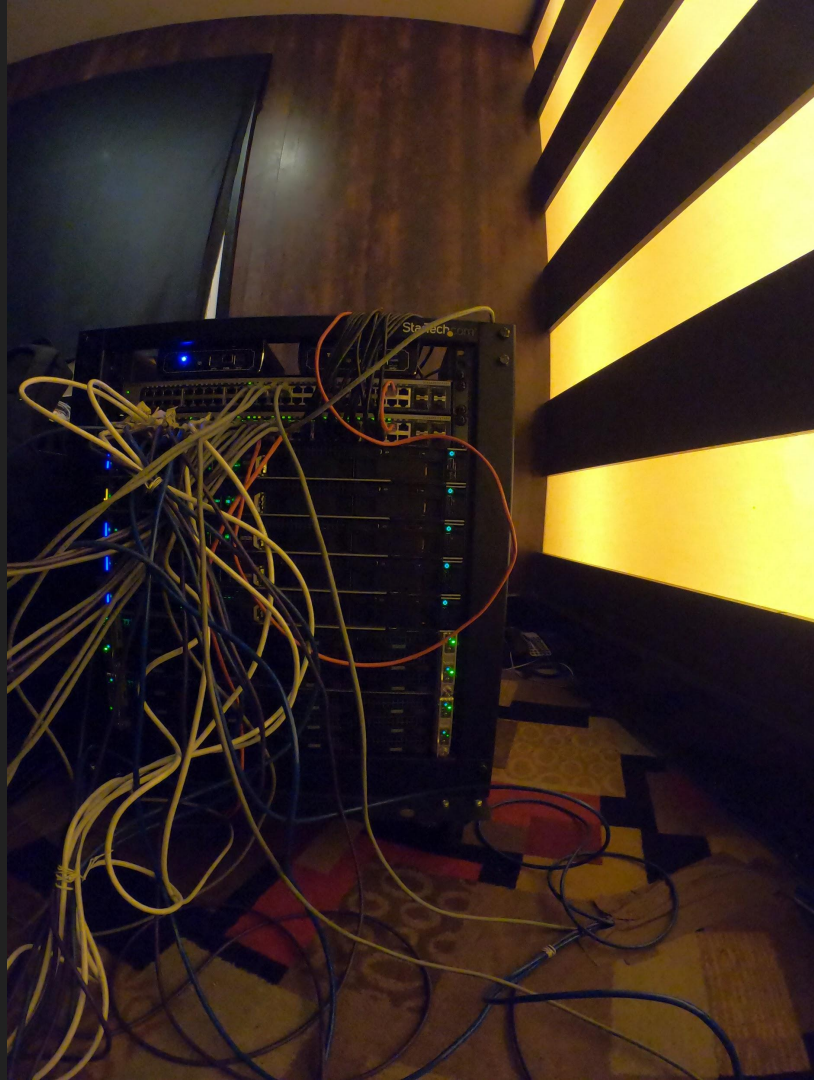








1	INTERCOMPTON	671
2	Paul Rodgers of Posing	716
3	Archie	630
4	The Document	477
5	Samuel	252
6	Johnny	342
7	Stefan	208
8	Johnny	204
9	Johnny	202
10	Johnny	151
11	Johnny	249
12	Johnny	214
13	Johnny	180
14	Johnny	177
15	Johnny	125
16	Johnny	65







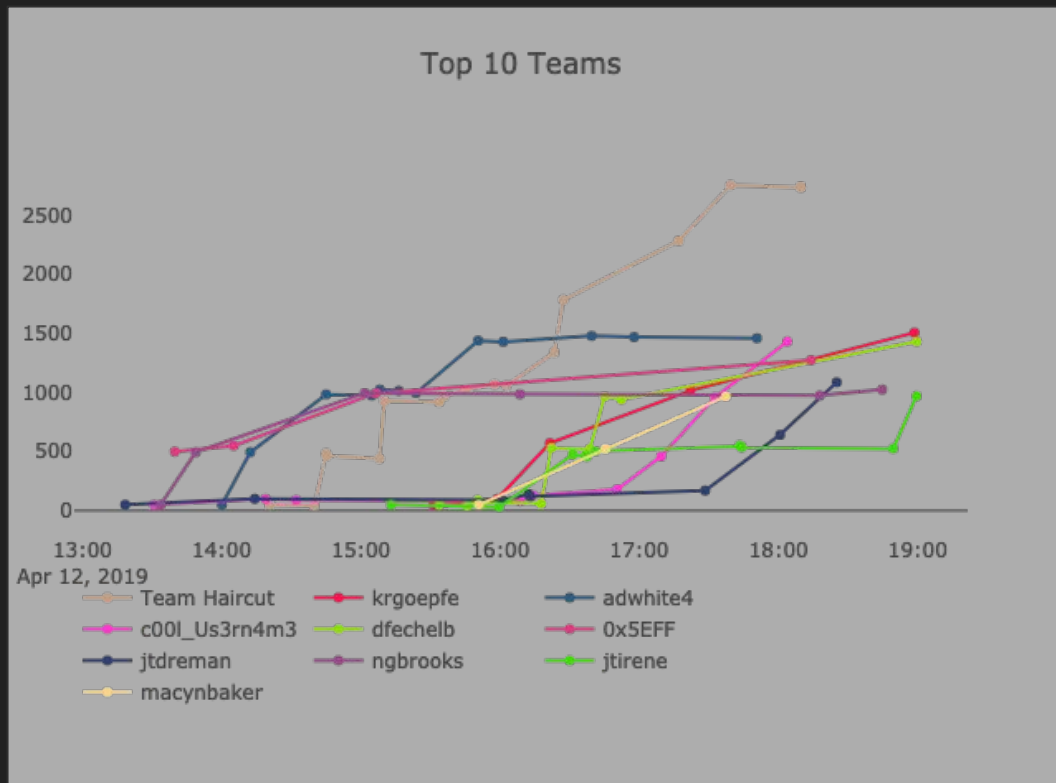
1.	Plaid Parliament of Pwning	973
2.	HITCON <del>X</del> BFKinesiS	772
3.	Tea Deliverers	590
4.	A*0*E	564
5.	mhackeroni	556
6.	Samurai	399
7.	Sauercloud	375
8.	r00timentary	359
9.	SeoulPlusBadAss	331
10.	Shellphish (tied)	284
10.	r3kapiG (tied)	284
12.	KaisHack GoN	281
13.	saarsec	235
14.	TokyoWesterns	215
15.	CGC	110
16.	hxp	67



# HackPack CTF

- Organized every year in the Spring semester by the core HackPack group
- Part of CSC-405 as homework
- Introductory CTF for students with no security experience
- A chance to get involved in organizing a CTF!

# HackPack CTF 2019



# Ethics - Avoid going to jail

- We are going to learn some offensive techniques that can cause damage

**Never use these skills against any target without written permission**

- **Pretty easy, don't do anything illegal!**
- Only try to find vulnerabilities in a system that has a bug bounty program



# Bug Bounty Programs

- A number of web sites have started to offer Bug Bounty programs
- They will give you money or fame in exchange for reporting security vulnerabilities to them
- Make sure that they also give you permission, and make sure you understand what is in scope
- Google, Facebook, AT&T, Coinbase, Etsy, Github, Heroku, Microsoft, Paypal,
  - <https://bugcrowd.com/list-of-bug-bounty-programs>







Mark Zuckerberg



Home 20+

Khalil



Mark Zuckerberg ✓

Follow

Message



Timeline

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Photos

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Follow Mark to get his public posts in your news feed.

Follow



18,821,144 Followers

### About

🏢 **Founder and CEO at Facebook**  
February 4, 2004 to present

🎓 **Studied Computer Science at Harvard University**  
Past: Phillips Exeter Academy and Andover High School

🏠 **Lives in Palo Alto, California**

📍 **From Dobbs Ferry, New York**



Khalil shared a link.  
about a minute ago 🌐

Dear Mark Zuckerberg,

First sorry for breaking your privacy and post to your wall , i has no other choice to make after all the reports i sent to Facebook team .

My name is KHALIL, from Palestine .  
... See More

### Recent

2013

2012

2011

2010

2009

2008

2007

2006

2005

2004

2002

2000

1998

Born

# Required skills

- No security background?
  - Linux?
  - Operating Systems?
  - Assembly?
  - Mad Python/Programming skillz?
- Willingness to take a deep dive and understand things in depth
- Self-motivated



# HackPack format for Spring'19

- One meeting per week (Fridays 4:15pm in 1229 Engineering Building II)
- Practice: use your new skills/knowledge
  - Play CTFs together (free food!) - **pair hacking!**
  - Work on challenges from previous CTFs
  - Post-mortems: How did one of us approach a specific challenge and how did others solve it? (write-ups can be a fantastic way to improve your skills and learn new things!)
- Goal of the semester
  - **Work together on solving all challenges from picoCTF 2018**
    - Produce at least as many write-ups as UNC CTF team has :)
    - These writeups should be the starting point for new members



`nop`