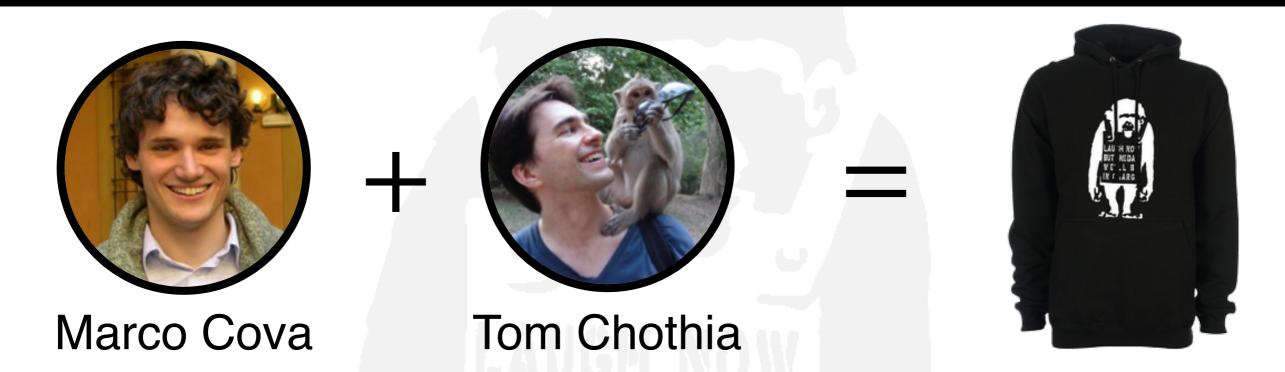


# Organising monkeys or How to run a *hacking* club

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### Introduction



~ 20 active members

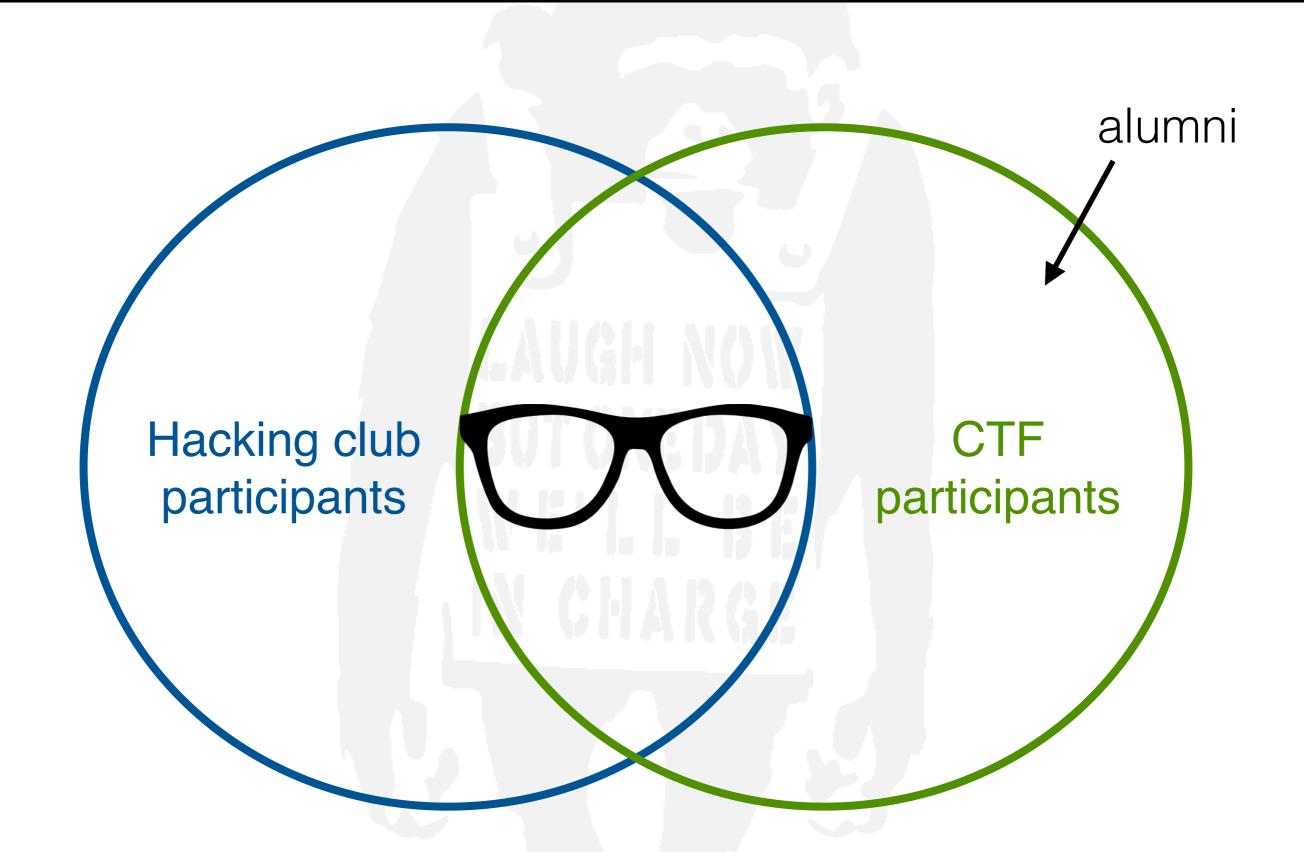
2014 CTF rankings:

1st UK academic team

33rd world-wide academic team

Monkeys s.t. |Monkeys| < \int\_0

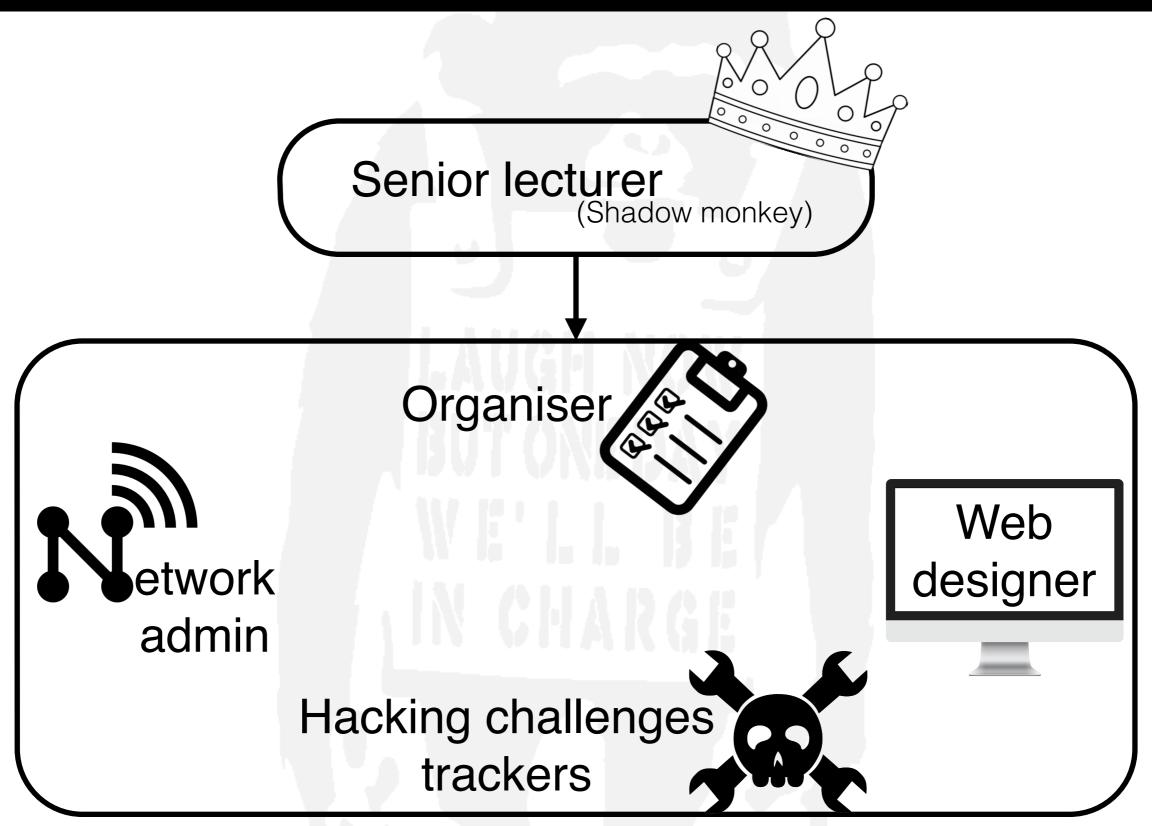
# Hacking club vs CTF team





# Hacking club

# Organise the Monkeys



# Meetings format

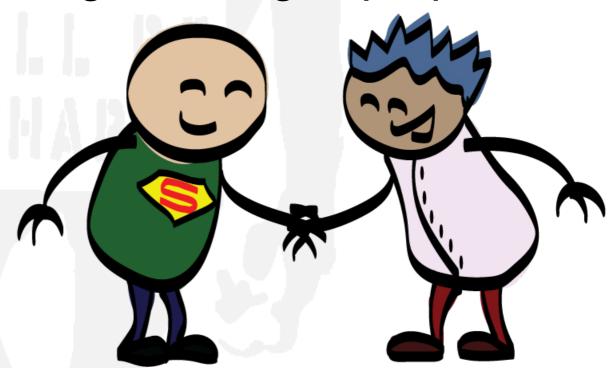
Weekly meetings ~ 2 hours, Friday afternoon (best attendance rate is during term time)

Always send notification before the club meeting (people forget / are busy elsewhere...)

### Layout:

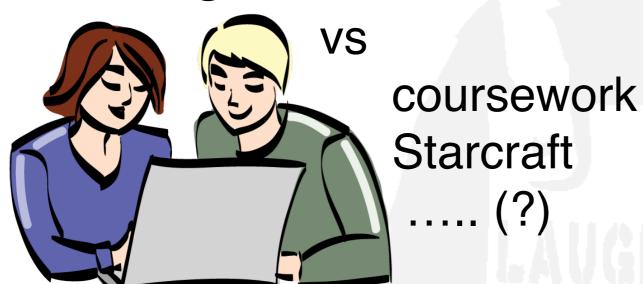
- Presentations (10-30 mins): tutorials, write-ups
- Choose from the list of hacking challenges prepared

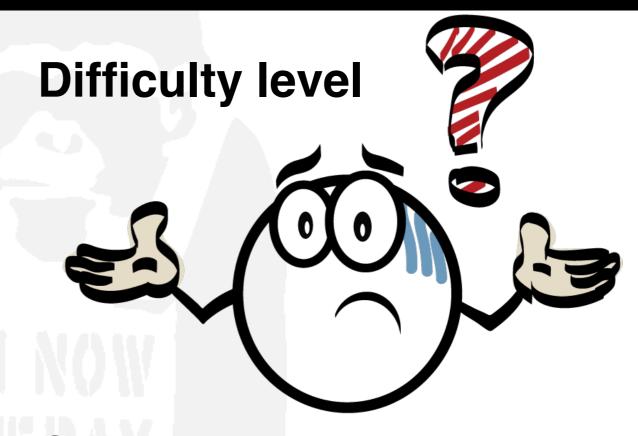
After-club: food/drinks



# Organisational challenges

### Hacking club attendance





### Alumni engagement







# **CTF Competitions**

### #AFNOM

#### afnom.net

Capture-The-Flag (CTF) team

ctftime.org

- Jeopardy CTFs
- Attack-Defence CTFs

### Tools and helpers:

- IRC
- Rizzoma
- mailing-list

Write-ups		
Challenge	Ву	Competition
<u>Community College</u>	xorpse	Boston Key Party 2015
AART	Pegasus	Ghost in the Shellcode 2015
<u>Lost in Time</u>	xorpse	Ghost in the Shellcode Teaser CTF 2015
Advanced RISC Machine	Corax	SECCON Quals 2014
<u>jspuzzle</u> <u>REA-JUU</u>	Pegasus	SECCON Quals 2014
Shuffle Choose the Number Get the Key	Break	SECCON Quals 2014

After CTFs, the members do write-ups for the challenges they solved.

Latest CTFs: VolgaCTF 2015 Quals, Boston Key Party 2015 Ghost in the Shellcode 2015, SECCON CTF 2014 Quals

# CTF Challenges

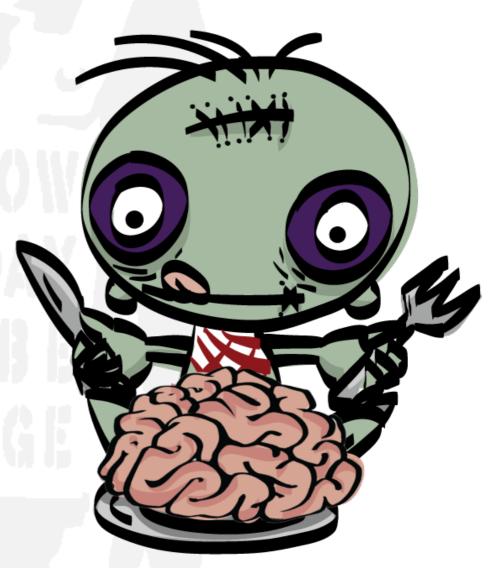
#### Diverse categories:

- Cryptography
- Exploitation
- Reverse engineering
- Web-based

### Tools used for solving:

- WireShark
- IDA Pro
- OllyDBG
- Burp Proxy

But, main tool will always be the **BRAIN** 



(preferences differ)



**Ghost in the shellcode - Lost in Time** 

pizza and fu

## Conclusion

Teaching defensive security is important, but offensive security is just as important

There is no set successful formula for running a hacking club ... but enthusiasm and perseverance are the key to success!

### Our advice for starting a hacking club:

- Informal works great
- Setup meetings
- Advertise the club (in security-related modules)
- Practice on challenges (many available online!)
- Do not give up! Keep meeting even if only few students attend. Keep participating in CTFs, even if you score low.

