

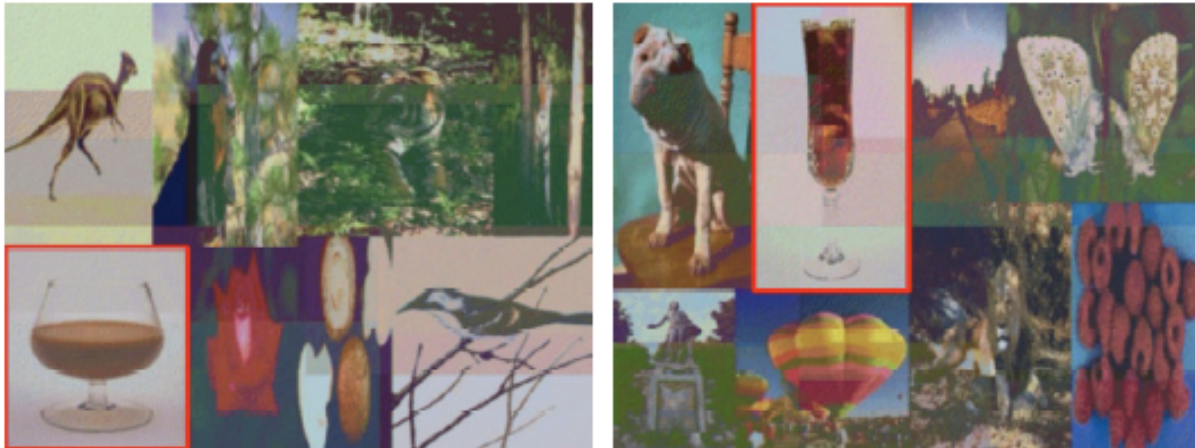
# System Security Research at Newcastle

**Jeff Yan**

Laboratory of Security Engineering  
School of Computing Science  
Newcastle University, UK



# We hack ...

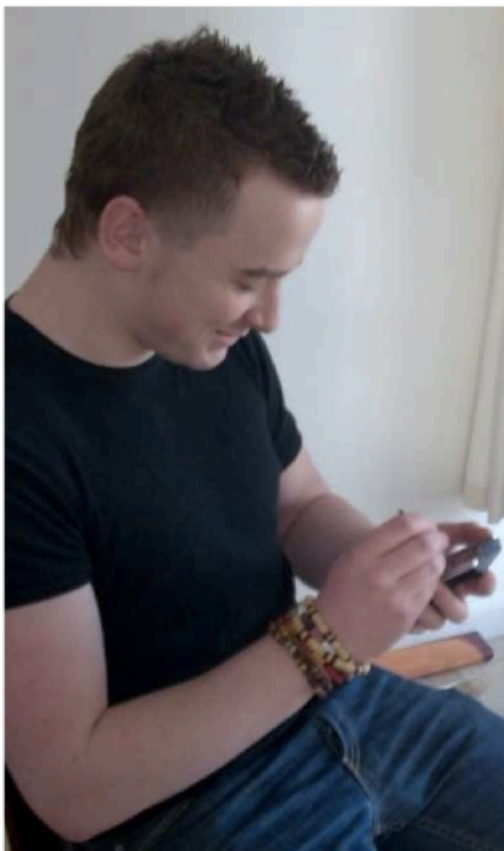


MS, Yahoo, Google, Imagination, etc [ccs' 08, ccs' 10, Computer' 11]

# We defend ...

- Novel authentication systems [ccs'07, soups'11]
- Cheating detection in online games [aaai'10]
- Phishing and spam countermeasures

# We do usable security ...



# We want to collaborate!

- Active partners
  - Cambridge
  - MSRA
  - MSR Cambridge
  - Luxembourg
  - CUHK
- We want more!

# Future directions on radar

- cloud security
- smart grid security
- banking security
- cybercrime
- forensics

# Concluding message

We hack, we defend, we do usable security, and **we are keen to collaborate.**

(be available at DIMVA social event, too)