Hacking and online exams
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BE A COUNTER-STRIKE GOD

FOR ONLY $10.95 PER MONTH!

See through walls!
Use an aimbot to
score killer headshots!

You won’t BELIEVE these hacks!
menton's hook 1.0

- Bunny Hop
- Radar
- Aimbot

Aimbot FOV: 8
Aimbot Smooth: 4
Aimbot RCS: 1
Aimbot Bone: 10
What do those hacks have in common?

- Pre-packaged
- No technical skill required to use
- Undetectable
- Provide unfair advantage
What do those domains have in common?

• Huge anti-cheating budgets
• Aggressive anti-cheating approaches
• Limited regulation around punishing cheating
• Huge profit margins
• Long history conducting business online
DIGABI

– Virtaa ylioppilastutkintoon!
Five ways to hack and cheat with bring-your-own-device electronic examinations
Remote proctored exams

• Taken on student’s own computer at home
• Software locks down & surveils computer
• Student monitored by webcam, audio, keystroke biometrics
• Mirror used to see whole room
Remote proctored cheating room

• All of the previous attacks, plus:
  – Bypass keystroke biometrics
  – One-way mirror
  – Fishing line
  – Optics exploits

– Tiny wireless earpieces
– Wireless keyboards
– ...

• With so many possible attacks, exercise caution with remote-proctoring
Not if, but when

- Next five years?
- Next year?
- This semester?
- Will it take a disaster for us to take exam hacking seriously?
Advice

1. Find a balance between positive academic integrity mindset and hacker mindset
2. Talk to your cybersecurity people about academic integrity and online exams
3. Think programmatically about academic integrity
References


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