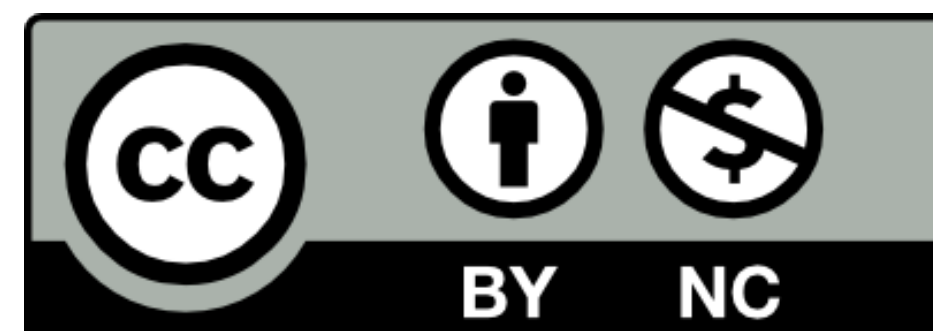


Computer Security and Ethics

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<https://www.cs.columbia.edu/~smb>



Teaching Hacking

- Is it ethical to teaching hacking skills in a university?
- Does this teach necessary skills for defenders?
- Does it teach skills only necessary for attackers?
- Should such courses have an ethics unit?

Hack-Back

- By whom? Governments? Victims? Vendors? Vigilantes?
- What is an acceptable goal?
 - Botnet takeover for neutralization?
 - Disinfect machines?
 - Gather evidence?
 - Deter attackers?
- What if attribution isn't certain? What if innocent victims' computers are used to launch the attack?

Vulnerability Disclosure

- Should researchers disclose vulnerabilities publicly? Should they wait a few months, to let patches be developed and deployed?
- Does it help defenders look for indications of compromise?
- Or does it teach attackers what to do?
- Should “bug bounty” programs, where vendors reward researchers who find holes, include non-disclosure agreements (NDAs)?

Monitoring

- Is it proper to monitor other people's Internet traffic and computer use to see if they've been hacked?
 - What about just the metadata and not the content?
- Who should be allowed to do this? Governments? ISPs? Employers? Software vendors?
- If consent is sought, would it really be voluntary?

Questions?



(Mandarin duck, Central Park, January 11, 2019)