Hacking Ethics in Education

Jeroen van der Ham <<u>jeroen@os3.nl</u>>

Hacking Ethics in Education

- Hacking in Education
- "Hacking Ethics" in Education
- Hacking "Ethics in Education"

Hacking Ethics in Education

Hacking in Education

• "Hacking Ethics" in Education

Hacking "Ethics in Education"

Student Cachers

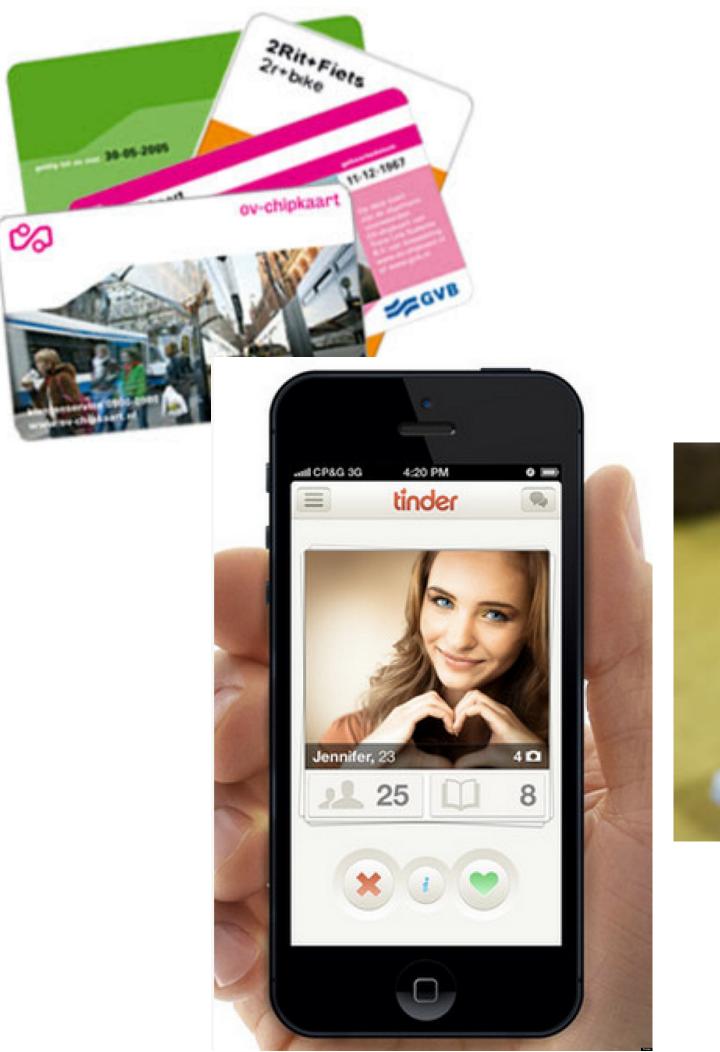
Teachers

The Aministration

Hacking in Education

- System and Network Engineering Master
 - University of Amsterdam
 - One year Master programme
 - Since 2003
- Various Security related courses
- Student Research Projects

Examples







"Hacking Ethics" in Education

What students think they do:



"Hacking Ethics" in Education

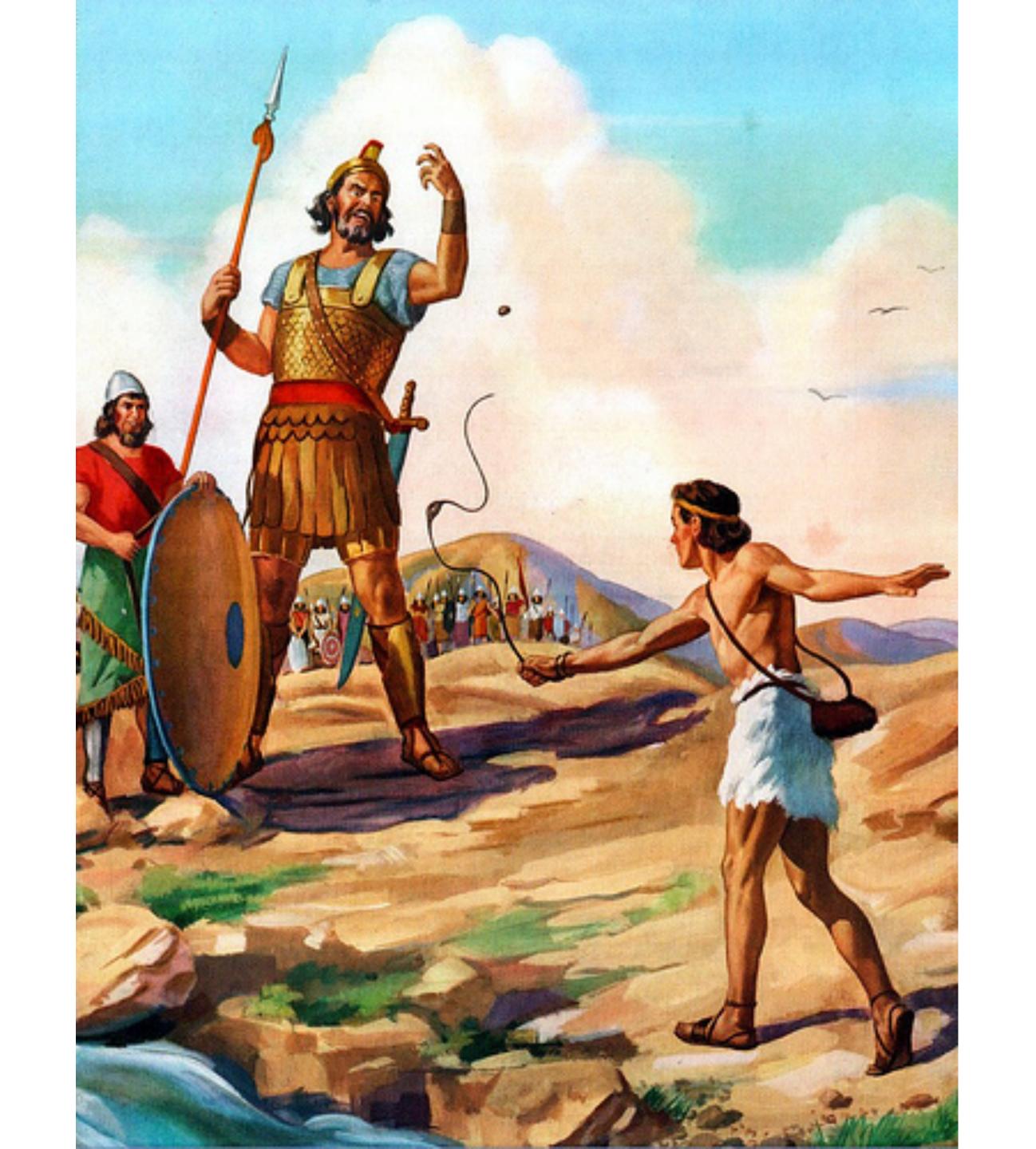
What teachers think they do:



"Hacking Ethics" in Education

What administration thinks they do:





"Hacking Ethics" in Education: Administration



Hacking "Ethics in Education"

Hacking "Ethics in Education" Administration

Hacking "Ethics in Education"

Administration

- Ethical Committee for Computer Science faculty
 - All non-standard projects
 - Evaluation by ~8 group leaders
 - Lawyer

Hacking "Ethics in Education"

Administration

- Ethical Committee for Computer Science faculty
 - All non-standard projects
 - Evaluation by ~8 group leaders
 - Lawyer
- Process length: ~ months

Hacking "Ethics in Education" Teachers

- Ethical Committee for SNE Master
 - Student writes ethical considerations
 - Teacher with EC reviews
 - Traffic light status:
 - green, yellow, orange, red

Hacking "Ethics in Education" Students

- Students are forced to think about ethics
 - Ethics by design in research
- Ethics Advisor works with students

Coordinated disclosure is done by teachers

Questions?

https://www.os3.nl/

@1sand0s

https://1sand0s.nl

Extra slides

Example



Tinder

- July 2013: sends GPS coords to user (<u>link</u>)
- Feb 2014: sends distance to user (link)
- May 2014: sends pseudo-rounded distance (<u>link</u>)

Privacy by design

- Finding test-user is hard: too many users
- So, only store hashed ID of users and location