rules & promises

- **I promise to always behave in an ethical and legal manner**
- **I shall not use my skills to test systems or people unless I have written permission form the appropriate authority**
- **I shall never abuse trust, skills, or knowledge**
- **I shall never surrender to the dark side**
- **I am, and will always be, an ethical person**

a brief history of hacking

THE HISTORY OF HACKING

1960s :

The first computer hackers emerge at MIT. They borrow their name from a term to describe members of a model train group at the school who "hack" the electric trains to make them perform faster and differently.

: 1971

Phone Phreaking: John Draper is nicknamed 'Cap'n Crunch' after he learns that a toy whistle given away inside Cap'n Crunch cereal generates a 2600-hertz signal, the same high-pitched tone that accesses AT&T's long- distance switching system allowing him to make free long-distance calls.

3

: 1983

The movie "War Games" introduces the public to hacking, and the legend of hackers as cyberheroes (and anti-heroes) is born. The film's main character, played by Matthew Broderick, attempts to crack into a video game manufacturer's computer to play a game, but instead breaks into the military's nuclear combat simulator computer.

1984 :

Eric Corley, who uses the hacking handle "Emmanuel Goldstein," starts 2600: The Hacker Quarterly in New York, which quickly becomes a clearinghouse for hacking information.

4

1988 :

Robert T. Morris, Jr., a graduate student at Cornell University launches a self-replicating worm on the government's ARPAnet (precursor to the Internet) to test its effect on UNIX systems. The worm gets out of hand and spreads to some 6,000 networked computers, clogging government and university systems. Morris is dismissed from Cornell, sentenced to three years of probation and fined $10,000.

: 1989

Kevin Mitnick is convicted of stealing software from DEC and long-distance codes from MCI, becoming the first person convicted under a new law against gaining access to an interstate computer network for criminal purposes.

1999 :

Norwegian group Masters of Reverse Engineering (MoRE) cracks a key to decoding DVD copy protection. The group creates a DVD decoder program for distribution on the Web, a move that spurs a flurry of lawsuits from the entertainment industry.
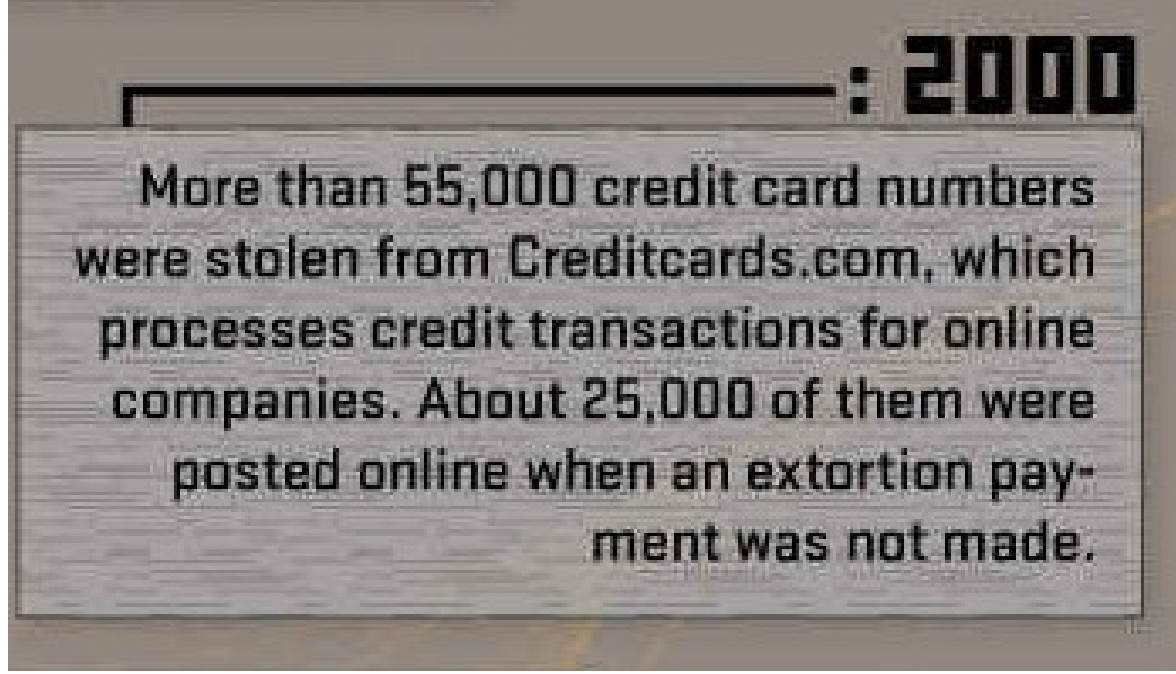
2001 :

US authorities claim that Gary McKinnon, from Glasgow, Scotland, deleted critical files from operating systems, which shut down the US Army's Military District of Washington network of 2,000 computers for 24 hours, as well as deleting US Navy Weapons logs, rendering a naval base's network of 300 computers inoperable after the September 11th terrorist attacks.
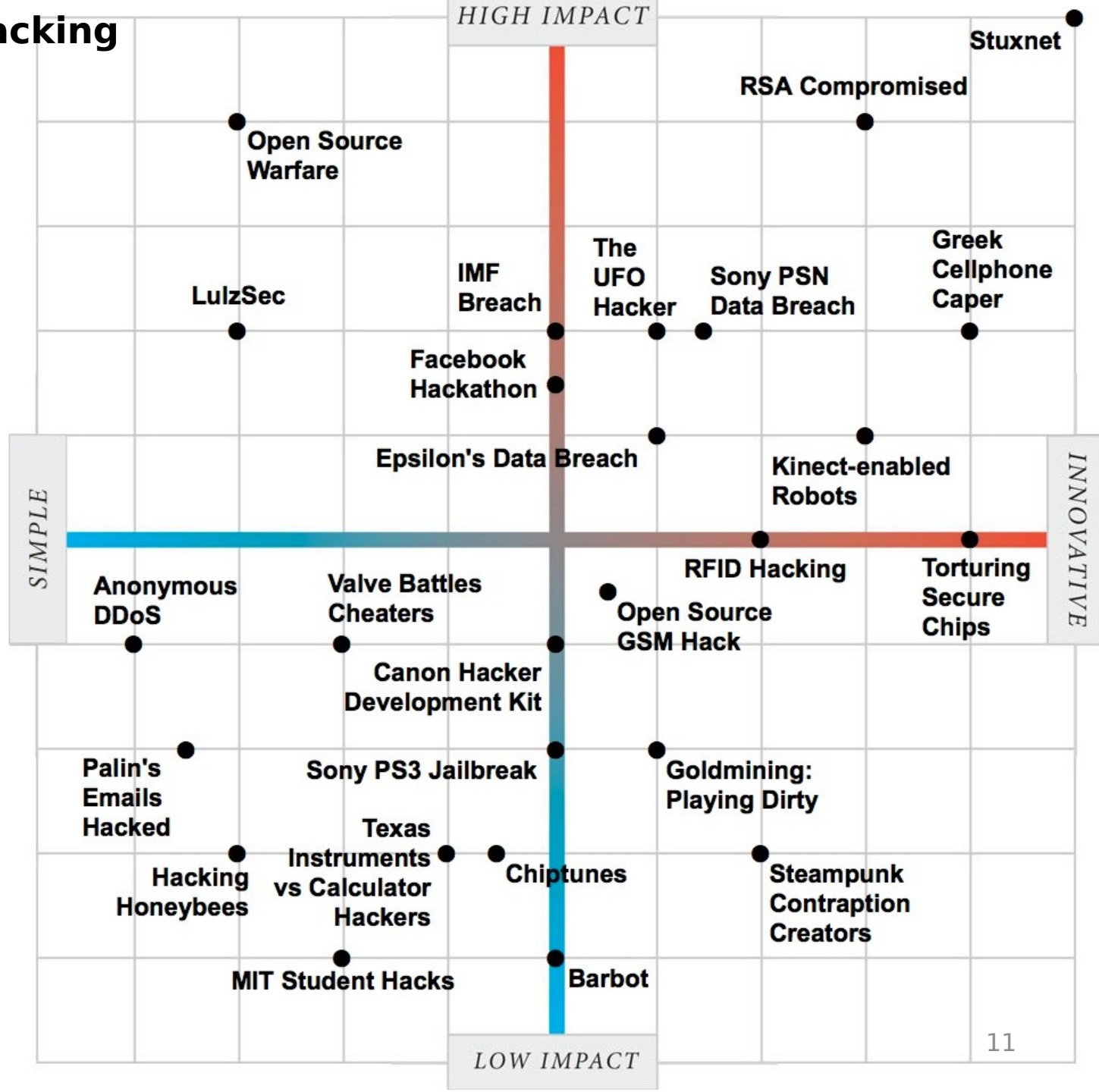
: 2008

A group of men use 'wardriving', a method of searching for unsecured wireless networks by driving around with a laptop, to install sniffer programs that stole over 40 million credit card numbers in one of the largest known cases of credit card fraud in U.S. history.

The Two Faces of Hacking

HIGH IMPACT

Stuxnet

RSA Compromised

Open Source Warfare

The UFO Hacker

Greek Cellphone Caper

IMF Breach

Sony PSN Data Breach

LulzSec

Facebook Hackathon

Epsilon's Data Breach

Kinect-enabled Robots

SIMPLE

INNOVATIVE

RFID Hacking

Torturing Secure Chips

Anonymous DDoS

Valve Battles Cheaters

Open Source GSM Hack

Canon Hacker Development Kit

Palin's Emails Hacked

Sony PS3 Jailbreak

Goldmining: Playing Dirty

Texas Instruments vs Calculator Hackers

Chiptunes

Hacking Honeybees

Steampunk Contraption Creators

MIT Student Hacks

Barbot

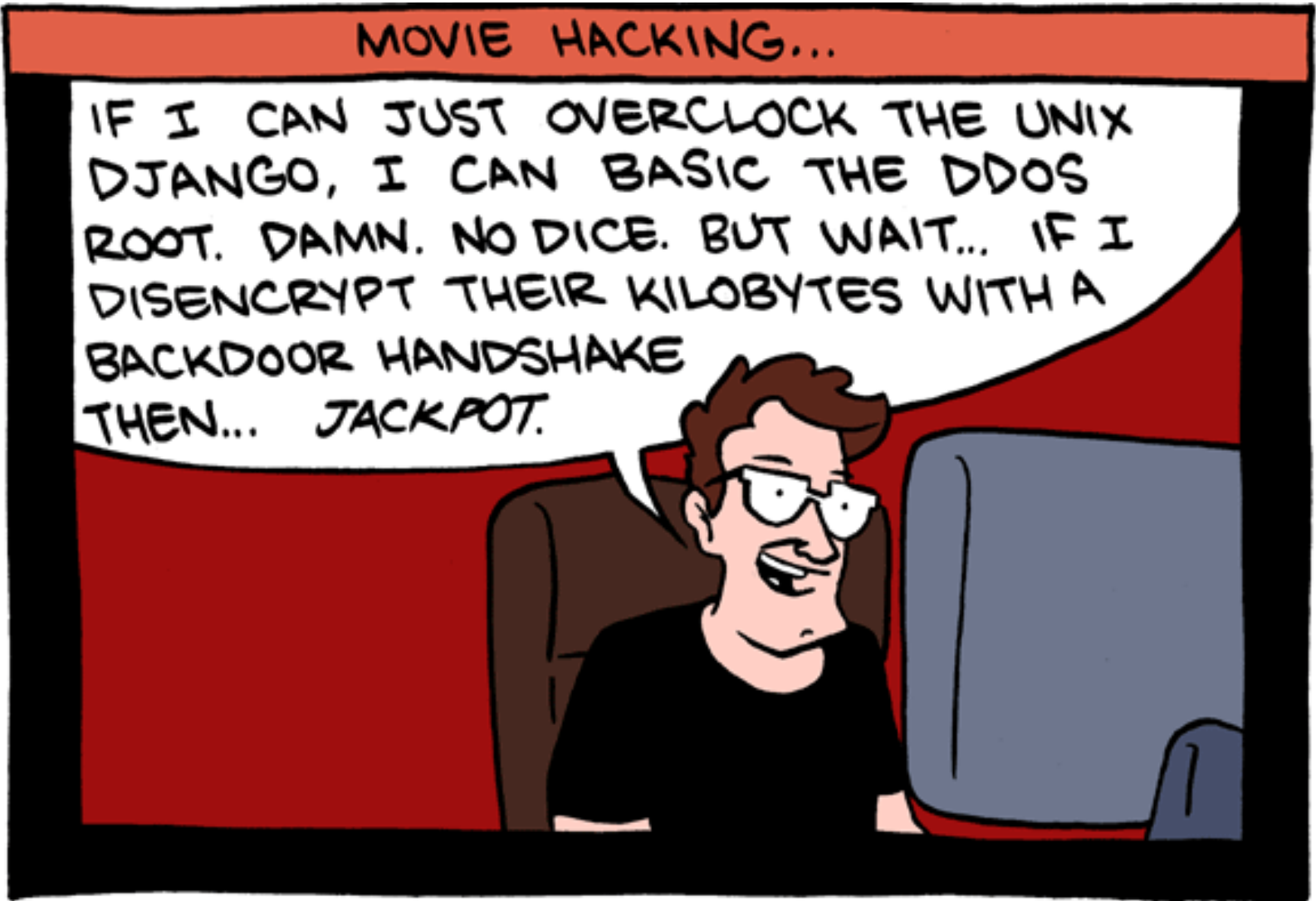LOW IMPACT

11

"what's in a name?"

hackers

- hackers
- crackers
- Pirates
- phreaks
- cyberpunks
- lamers
- script kiddies
- 1337
- Phishers
- warez d00dz

- virus d00dz
- HACKTIVIST
- BlackHats
- WhiteHats
- GreyHats
- BlueHats
- Wanabees
- Others

movies vs. reality

http://www.smbc-comics.com/comics/20120220.gif

http://www.smbc-comics.com/comics/20120220.gif

hacking

ethics vs. skills

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thank you

Questions?

Links:

https://en.wikipedia.org/wiki/Timeline_of_computer_security_hacker_history
https://securelist.com/threats/a-brief-history-of-hacking/
http://edition.cnn.com/2015/03/11/tech/computer-hacking-history/