ethics in tech.

nicolas neu

@schabernakk

0. about me.

- ❏ backend developer at unata
- ❏ lots of python, databases and a little bit of devops
- ❏ interested in privacy & digital rights

this talk:

- ❏ ACM (Association for Computing Machinery) Code of Ethics and Professional Conduct
- ❏ IEEE (Institute of Electrical and Electronics Engineers) Code of Ethics

1. do not discriminate, be fair.

codex:

❏ „[...] *to treat fairly all persons and to not engage in acts of discrimination based on race, religion, gender, disability, age, national origin, sexual orientation, gender identity, or gender expression*" (IEEE Code of Ethics)

1. do not discriminate, be fair.

in practice:

❏ implement code of conduct in your company/OSS project/meetup/conference
  ❏ Contributor Covenant
  ❏ Geek Feminism
  ❏ Python
  ❏ TODO
❏ strife for consistent enforcement

2. serve the public; do no harm.

codex:

❏ *„contribute to society and human well-being."*

❏ *„avoid harm to others."* (ACM Code of Ethics and Professional Conduct)

❏ *„[…] regard the duty to public welfare as paramount, above their duties to clients or employers."*

(Professional Engineers of Ontario Code of Ethics)

2. serve the public; do no harm.

in practice:

- ❏ [champion the user](#) (Glyph: The Ethical Consequences Of Our Collective Activities, PyCon2015)
- ❏ scrutinize walled gardens
- ❏ responsible disclosure of security flaws

3. due diligence.

codex:

- ❏ honor contracts, agreements, and assigned responsibilities
- ❏ give thorough evaluations of computer systems and their impacts & risks
- ❏ make honest, realistic estimations
- ❏ *„Strive to achieve the highest quality, effectiveness and dignity in both the process and products of professional work."*

(ACM Code of Ethics and Professional Conduct)

3. due diligence.

in practice:

- ❏ TDD, CI
- ❏ track past estimations success rate

4. intellectual property.

codex:

- ❏ honor property rights
- ❏ give proper credit

4. intellectual property.

in practice:

- ❏ consider [licensing](#) your self published code
- ❏ make an effort to find the one that aligns with your belief system
  - ❏ sharing & attribution
  - ❏ non military clause

5. be honest.

codex:

❏ know and respect the law pertaining to professional work
❏ reject bribery in all its forms
❏ avoid conflicts of interest - disclose when they do exist
❏ be honest and trustworthy

5. be honest.

in practice:

❏ clear communication of (security) incidents
❏ avoid [dark patterns](#)
❏ honesty towards your user
  ❏ are you introducing a bias into your offering?

6. be humble, helpful, curious.

codex:

- ❏ *„undertake task only when qualified or disclosure of limitations."*
- ❏ *„to seek, accept, and offer honest criticism."*
- ❏ *„assist colleagues in their professional development."*
- ❏ *„to maintain and improve our technical competence."*

  (IEEE Code of Ethics)

6. be humble, helpful, curious.

in practice:

- ❏ know about good security practices
  - ❏ web applications: OWASP Top 10 Web Application Security Risks
  - ❏ avoid rolling your own security
- ❏ are code reviews part of your development process

7. respect privacy & confidentiality.

codex:

- ❏ access resources only when authorized
- ❏ respect privacy & honor confidentiality

7. respect privacy & confidentiality.

in practice:

- ❏ tracking opt in/opt out
- ❏ datensparsamkeit
- ❏ think of data as a liability, not an asset

8. improve understanding of technology.

codex:

- ❏ *„[...] to improve the understanding of technology; its appropriate application, and potential consequences"*
  (IEEE Code of Ethics)
- ❏ *„Improve public understanding of computing and its consequences."*
  (ACM Code of Ethics and Professional Conduct)

8. improve understanding of technology.

in practice:

❏ there is no cloud - only other people's computers
❏ [cryptowars](#) 2.0

The Hacker's Code of Ethics

1. Access to computers - and anything which might teach you something about the way the world really works - should be unlimited and total. Always yield to the Hands-On Imperative!
2. All information should be free.
3. Mistrust authority - promote decentralization.
4. Hackers should be judged by their acting, not bogus criteria such as degrees, age, race, or position.
5. You can create art and beauty on a computer.
6. Computers can change your life for the better.
7. Don't litter other people's data.
8. Make public data available, protect private data.

(Levy, Steven. 1984. Hackers: Heroes of the Computer Revolution)

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