the role of computer scientists in regulation by design
regulation by design

- embedding of certain standards into design in order to foster social outcomes (Karen Yeung, 2014)
- digital enforcement: using digital technologies to enforce rules (Karen Levy, 2014)
  - by overriding determination to break a rule
  - perfecting enforcement
  - creating new sites of accountability
regulation by design

- embedding of certain standards into design in order to foster social outcomes (Karen Yeung, 2014)
- digital enforcement: using digital technologies to enforce rules (Karen Levy, 2014)
- specify and implement systems that will reach a desired outcome in a specific environment (Michael Jackson, 1997)
delegation to technology

- policy makers
- techno/legal system
- people/organizations/things
delegations among experts

- policy makers
- computer scientists
- techno/legal system
- people/organizations/things
- environment
foot-soldiers?

Environment

Policy makers

Techno/legal system

Computer scientists
regulation by design of design

policy makers -> computer scientists

environment

information systems

techno/legal system
resistance

policy makers

techno/legal system

TECHNOLOGY
DOES NOT WORK LIKE THAT!

environment

information systems
scoping to what is feasible

- policy makers
- computer scientists
- techno/legal system
- information systems
- environment
punting

- policy makers
- computer scientists
- techno/legal system
- information systems
- environment
thank you!

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