



# Striving for interdisciplinarity

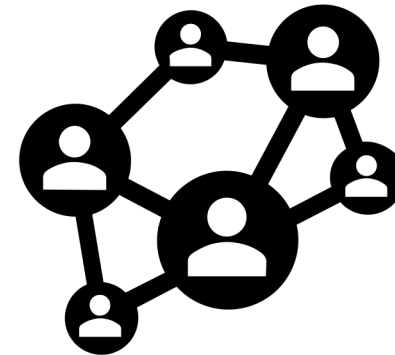
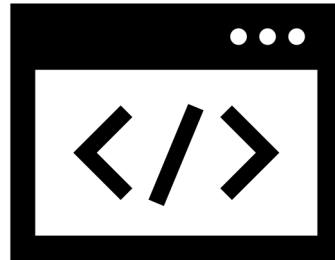
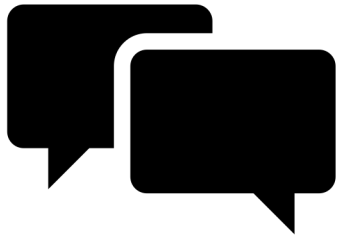
## On evolving roles and finding common ground in digital health

Julia Amann, PhD

Health Ethics and Policy Lab, ETH Zurich Switzerland

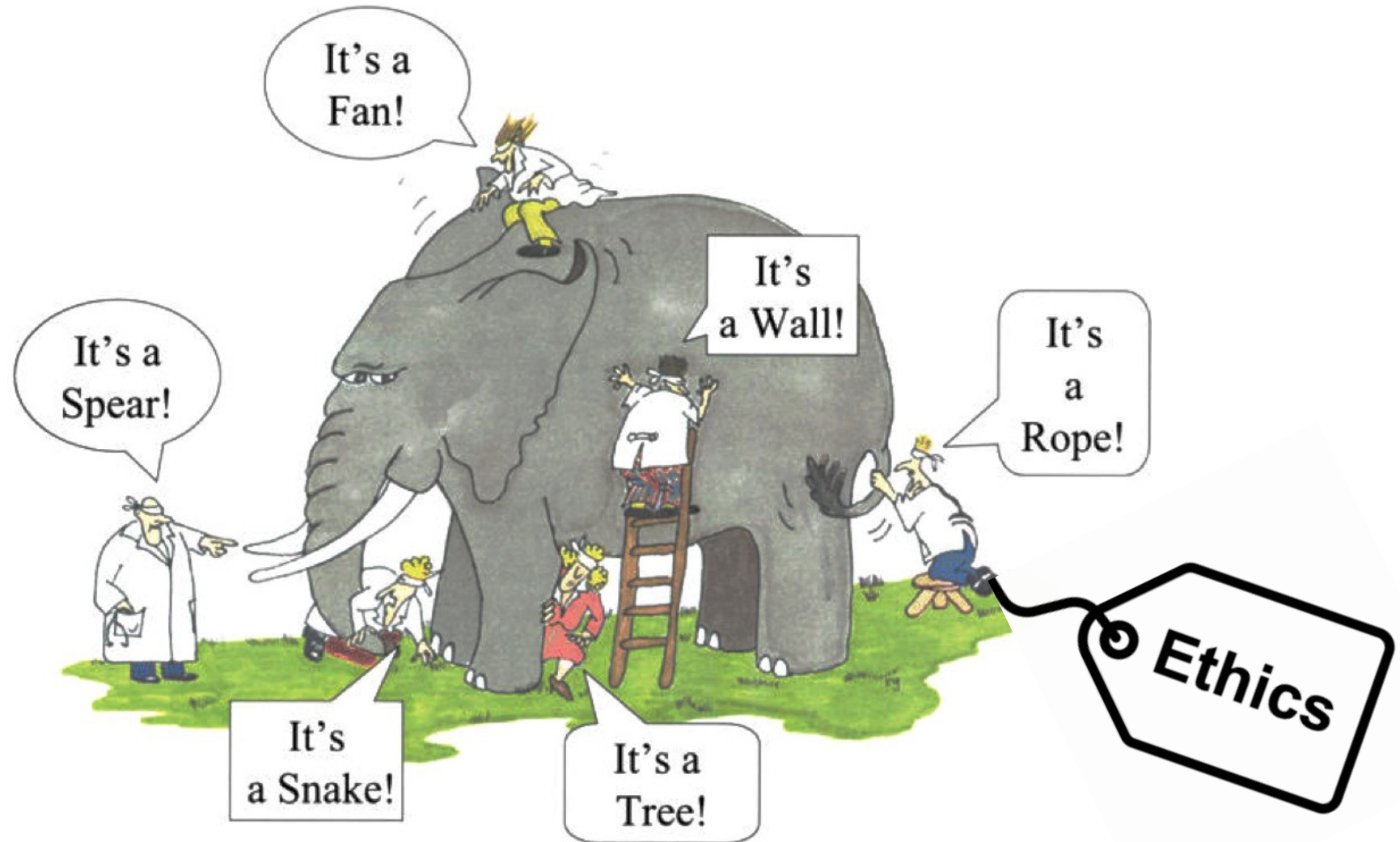


# About me



# Digital transformation





News

# Facebook data on more than 500M accounts found online

Details from more than 500 million Facebook users have been found available on a website for hackers

Via AP news wire | Sunday 04 April 2021 00:28



RETAIL | OCTOBER 11, 2018 / 1:04 AM / UPDATED 3 YEARS AGO

# Amazon scraps secret AI recruiting tool that showed bias against women

By Jeffrey Dastin

8 MIN READ



SAN FRANCISCO (Reuters) - Amazon.com Inc's [AMZN.O](#) machine-learning specialists uncovered a big problem: their new recruiting engine did not like women.

MIT TECHNOLOGY REVIEW >

Annotations

# Facebook's ad-serving algorithm discriminates by gender and race

APRIL 05, 2019



NEWS · 24 OCTOBER 2019 · UPDATE 26 OCTOBER 2019

# Millions of black people affected by racial bias in health-care algorithms

Study reveals rampant racism in decision-making software used by US hospitals – and highlights ways to correct it.

MIT TECHNOLOGY REVIEW >

Annotations

# Software that monitors students during tests perpetuates inequality and violates their privacy

AUGUST 07, 2020

Technology

# Google hired Timnit Gebru to be an outspoken critic of unethical AI. Then she was fired for it.

Gebru is one of the most high-profile Black women in her field and a powerful voice in the new field of ethical AI, which seeks to identify issues around bias, fairness, and responsibility.

# Striving for interdisciplinarity

In education



...and beyond

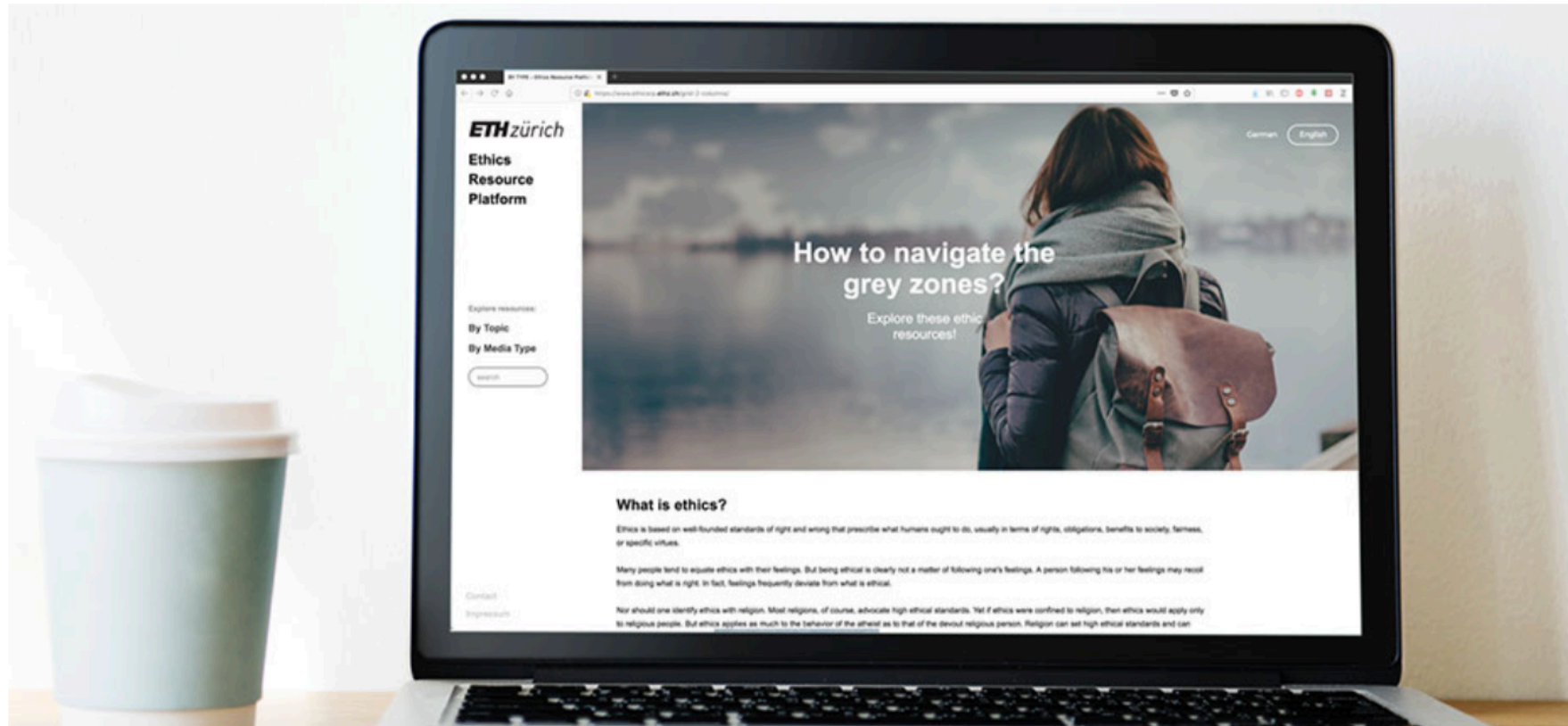


# My experience



<https://bioethics.ethz.ch/research/Precise4Q.html>

# ETHics Resource Platform (ETH Zurich)



<https://bioethics.ethz.ch/Resources.html>



# Embedded ethiCS™ @ Harvard

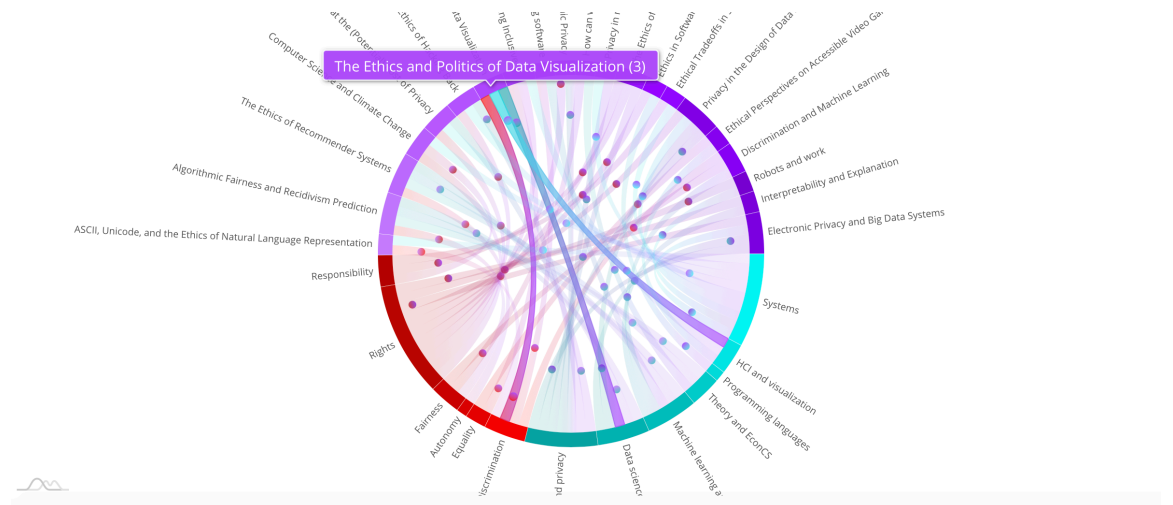
DOI:10.1145/3330794

**A Harvard-based pilot program integrates class sessions on ethical reasoning into courses throughout its computer science curriculum.**

BY BARBARA J. GROSZ, DAVID GRAY GRANT, KATE VREDENBURGH, JEFF BEHREND, LILY HU, ALISON SIMMONS, AND JIM WALDO

# Embedded Ethics: Integrating Ethics Across CS Education

identify ethical and social issues      reason through ethical and social issues      communicate their reasoned position      design ethically and socially responsible systems



<https://embeddedethics.seas.harvard.edu/>

## Relevant initiatives and projects related to digital ethics



Shaping the Ethical Dimensions of Smart Information Systems

<https://www.project-sherpa.eu/>



Stakeholder-Informed Ethics for New technologies with high socio-economic and human rights impact

<https://www.sienna-project.eu/>



Participatory Approaches to a New Ethical and Legal Framework for ICT

<https://www.panelfit.eu/>

# Thank you for your attention!

Contact: [julia.amann@hest.ethz.ch](mailto:julia.amann@hest.ethz.ch)

